

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061265.D
 Acq On : 3 Jan 2019 15:17
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:31 PM

Quant Time: Jan 04 02:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	212518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	368321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	347480	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	165461	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	52968	19.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	38.84%	
35) Dibromofluoromethane	4.12	113	58617	19.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	39.84%	
50) Toluene-d8	7.56	98	170631	20.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	40.68%	
62) 4-Bromofluorobenzene	11.41	95	80806	21.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	42.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	80823	17.518	ug/l	97
3) Chloromethane	1.10	50	63398	22.981	ug/l	97
4) Vinyl Chloride	1.14	62	53455	20.949	ug/l	100
5) Bromomethane	1.32	94	33594	19.050	ug/l	100
6) Chloroethane	1.39	64	23932	20.475	ug/l	89
7) Trichlorofluoromethane	1.49	101	96997	20.215	ug/l	99
8) Diethyl Ether	1.63	74	13734	21.067	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.84	101	46323	18.470	ug/l	95
10) Methyl Iodide	1.92	142	76083m	19.339	ug/l	
11) Tert butyl alcohol	2.57	59	9803	89.991	ug/l	99
12) 1,1-Dichloroethene	1.80	96	40329	21.451	ug/l	97
13) Acrolein	2.00	56	9512	116.407	ug/l	97
14) Allyl chloride	2.09	41	53112	24.759	ug/l	93
15) Acrylonitrile	2.94	53	26658	103.628	ug/l	97
16) Acetone	2.24	43	60128	115.763	ug/l	99
17) Carbon Disulfide	1.82	76	122359	21.233	ug/l #	92
18) Methyl Acetate	2.34	43	21284	18.838	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	83959	20.436	ug/l	98
20) Methylene Chloride	2.18	84	43282m	20.893	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	42350m	20.713	ug/l	
22) Diisopropyl ether	2.80	45	136427	20.770	ug/l	98
23) Vinyl Acetate	3.19	43	326492	108.914	ug/l	96
24) 1,1-Dichloroethane	2.87	63	80498	20.613	ug/l	99
25) 2-Butanone	4.33	43	105768	119.697	ug/l	92
26) 2,2-Dichloropropane	3.59	77	48265	21.393	ug/l	97
27) cis-1,2-Dichloroethene	3.47	96	63831	20.638	ug/l	92
28) Bromochloromethane	3.72	49	42150	21.746	ug/l	91
29) Tetrahydrofuran	4.09	42	35997	99.866	ug/l	97
30) Chloroform	3.86	83	117382	20.312	ug/l	96
31) Cyclohexane	3.69	56	91817m	22.446	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	66212	18.358	ug/l	99
36) 1,1-Dichloropropene	4.28	75	91993	20.650	ug/l #	93
37) Ethyl Acetate	4.13	43	34611	19.243	ug/l #	53
38) Carbon Tetrachloride	3.99	117	69671	20.278	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061265.D
 Acq On : 3 Jan 2019 15:17
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:31 PM

Quant Time: Jan 04 02:54:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.46	83	92202	22.527	ug/l	94
40) Benzene	4.64	78	199992	20.736	ug/l	100
41) Methacrylonitrile	4.75	41	20299	22.023	ug/l	97
42) 1,2-Dichloroethane	4.94	62	66484	18.756	ug/l	98
43) Isopropyl Acetate	6.97	43	43559	20.283	ug/l #	99
44) Trichloroethene	5.51	130	66229	22.107	ug/l	97
45) 1,2-Dichloropropane	6.24	63	48360	18.540	ug/l	99
46) Dibromomethane	6.09	93	33758	20.261	ug/l	89
47) Bromodichloromethane	6.38	83	83893	19.452	ug/l	97
48) Methyl methacrylate	6.72	41	28940	19.314	ug/l	95
49) 1,4-Dioxane	6.71	88	4331	405.450	ug/l #	84
51) 4-Methyl-2-Pentanone	8.26	43	162699	110.785	ug/l	100
52) Toluene	7.63	92	136022	21.336	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	72053	20.499	ug/l	90
54) cis-1,3-Dichloropropene	7.30	75	89030	20.147	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	38526	20.340	ug/l	96
56) Ethyl methacrylate	8.62	69	41221	20.151	ug/l #	89
57) 1,3-Dichloropropane	8.86	76	68489	19.945	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.30	63	22541	60.448	ug/l	98
59) 2-Hexanone	9.49	43	124571	117.992	ug/l	98
60) Dibromochloromethane	8.72	129	52122	19.494	ug/l	98
61) 1,2-Dibromoethane	8.99	107	40840	20.272	ug/l	95
64) Tetrachloroethene	8.16	164	54327	20.124	ug/l	99
65) Chlorobenzene	9.80	112	145061	19.978	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.94	131	56830	19.145	ug/l	98
67) Ethyl Benzene	9.91	91	254396	19.126	ug/l	98
68) m/p-Xylenes	10.13	106	192977	41.502	ug/l	96
69) o-Xylene	10.71	106	106155	20.401	ug/l	97
70) Styrene	10.79	104	143508	19.952	ug/l	99
71) Bromoform	10.77	173	27930	20.426	ug/l #	97
73) Isopropylbenzene	11.13	105	307915	21.577	ug/l	98
74) N-amyl acetate	11.38	43	71873	22.548	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	51016	21.783	ug/l	97
76) 1,2,3-Trichloropropane	11.80	75	37516	21.508	ug/l	89
77) Bromobenzene	11.49	156	63153	20.681	ug/l	94
78) n-propylbenzene	11.59	91	369747	22.048	ug/l	98
79) 2-Chlorotoluene	11.72	91	207261	21.282	ug/l	95
80) 1,3,5-Trimethylbenzene	11.83	105	245399	21.038	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	14908m	19.575	ug/l	
82) 4-Chlorotoluene	11.90	91	214577	21.202	ug/l	95
83) tert-Butylbenzene	12.13	119	264645	22.067	ug/l	96
84) 1,2,4-Trimethylbenzene	12.20	105	242367	20.833	ug/l	100
85) sec-Butylbenzene	12.30	105	344936	21.868	ug/l	96
86) p-Isopropyltoluene	12.46	119	295256	22.510	ug/l	98
87) 1,3-Dichlorobenzene	12.48	146	121798	21.049	ug/l	97
88) 1,4-Dichlorobenzene	12.57	146	114032	20.106	ug/l	98
89) n-Butylbenzene	12.85	91	298200	22.012	ug/l	96
90) Hexachloroethane	12.92	117	68097	21.034	ug/l	78
91) 1,2-Dichlorobenzene	12.94	146	115591	21.219	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	8005	18.819	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010319\
Data File : VF061265.D
Acq On : 3 Jan 2019 15:17
Operator : VA/AP
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

apatel
1/4/2019 2:12:31 PM

Quant Time: Jan 04 02:54:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 04 02:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	81494	20.992	ug/l	97
94) Hexachlorobutadiene	14.20	225	52401	21.202	ug/l	94
95) Naphthalene	14.45	128	147493	21.027	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	74448	20.963	ug/l	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF010319\
 Data File : VF061265.D
 Acq On : 3 Jan 2019 15:17
 Operator : VA/AP
 Sample : VSTDICC020
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

apatel
 1/4/2019 2:12:31 PM

Quant Time: Jan 04 02:54:07 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F010319S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:39:51 2019
 Response via : Initial Calibration

