

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059617.D
 Acq On : 23 Jul 2018 16:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF072318

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:51 PM

Quant Time: Jul 24 07:32:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	279138	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	401145	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	385673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	241640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	206428	46.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.98%	
35) Dibromofluoromethane	4.28	113	186769	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	7.71	98	484091	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	11.50	95	240051	44.88	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	153588	43.85	ug/l	93
3) Chloromethane	1.08	50	75380	47.19	ug/l #	89
4) Vinyl Chloride	1.15	62	90767	50.31	ug/l	90
5) Bromomethane	1.34	94	70175	44.95	ug/l	89
6) Chloroethane	1.42	64	50445	45.81	ug/l	91
7) Trichlorofluoromethane	1.49	101	210958m	43.00	ug/l	
8) Diethyl Ether	1.69	74	35561	50.50	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.89	101	103520	41.94	ug/l	95
10) Methyl Iodide	1.96	142	192581	46.40	ug/l	86
11) Tert butyl alcohol	2.68	59	44224	247.35	ug/l	97
12) 1,1-Dichloroethene	1.85	96	87971	44.96	ug/l	96
13) Acrolein	2.09	56	27773	309.77	ug/l	95
14) Allyl chloride	2.19	41	160116	45.20	ug/l	86
15) Acrylonitrile	3.06	53	68275	247.55	ug/l	95
16) Acetone	2.33	43	192301	255.33	ug/l	100
17) Carbon Disulfide	1.83	76	225031m	44.43	ug/l	
18) Methyl Acetate	2.44	43	54590	54.54	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	269923	47.33	ug/l	95
20) Methylene Chloride	2.26	84	88614	51.83	ug/l #	78
21) trans-1,2-Dichloroethene	2.40	96	90063	44.78	ug/l	93
22) Diisopropyl ether	2.91	45	325476	50.14	ug/l #	96
23) Vinyl Acetate	3.33	43	836744	256.08	ug/l	98
24) 1,1-Dichloroethane	2.99	63	215530	46.32	ug/l	99
25) 2-Butanone	4.50	43	201001	258.86	ug/l	95
26) 2,2-Dichloropropane	3.75	77	175651	44.79	ug/l	98
27) cis-1,2-Dichloroethene	3.62	96	110670	48.01	ug/l	95
28) Bromochloromethane	3.88	49	80605	47.12	ug/l	94
29) Tetrahydrofuran	4.25	42	79734	253.45	ug/l	97
30) Chloroform	4.02	83	294626	46.06	ug/l	98
31) Cyclohexane	3.85	56	126923	49.02	ug/l	90
32) 1,1,1-Trichloroethane	4.26	97	252225	43.55	ug/l	96
36) 1,1-Dichloropropene	4.44	75	188701	46.45	ug/l #	93
37) Ethyl Acetate	4.27	43	88582	54.24	ug/l #	100
38) Carbon Tetrachloride	4.16	117	261918	41.78	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
 Data File : VF059617.D
 Acq On : 23 Jul 2018 16:26
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVVF072318

Manual Integrations
 APPROVED

apatel
 7/24/2018 1:13:51 PM

Quant Time: Jul 24 07:32:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 24 04:17:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	152286	46.21	ug/l	94
40) Benzene	4.80	78	349316	47.05	ug/l	97
41) Methacrylonitrile	4.91	41	41194	49.20	ug/l #	77
42) 1,2-Dichloroethane	5.10	62	212939	42.48	ug/l	100
43) Isopropyl Acetate	7.10	43	107388	51.46	ug/l	99
44) Trichloroethene	5.66	130	129218	45.15	ug/l	91
45) 1,2-Dichloropropane	6.39	63	89381	44.47	ug/l	89
46) Dibromomethane	6.25	93	93783	56.33	ug/l	93
47) Bromodichloromethane	6.54	83	223123	44.16	ug/l	98
48) Methyl methacrylate	6.87	41	74217	47.55	ug/l	88
49) 1,4-Dioxane	6.86	88	10908	1126.10	ug/l	93
51) 4-Methyl-2-Pentanone	8.40	43	392846	258.37	ug/l	97
52) Toluene	7.77	92	252397	44.65	ug/l	93
53) t-1,3-Dichloropropene	8.41	75	189265	44.31	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	204100	48.20	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	88512	45.77	ug/l	93
56) Ethyl methacrylate	8.75	69	110914	51.51	ug/l #	87
57) 1,3-Dichloropropane	9.00	76	155215	46.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.76	63	54630	219.30	ug/l	100
59) 2-Hexanone	9.63	43	346427	280.75	ug/l	100
60) Dibromochloromethane	8.86	129	158339	45.97	ug/l	99
61) 1,2-Dibromoethane	9.12	107	108973	49.16	ug/l	94
64) Tetrachloroethene	8.30	164	129538	45.23	ug/l	93
65) Chlorobenzene	9.93	112	332856	46.80	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.06	131	147495	45.77	ug/l	96
67) Ethyl Benzene	10.03	91	612550	47.37	ug/l	99
68) m/p-Xylenes	10.26	106	422877	96.23	ug/l	98
69) o-Xylene	10.82	106	231375	48.47	ug/l	96
70) Styrene	10.90	104	354962	49.58	ug/l	93
71) Bromoform	10.88	173	94406	47.28	ug/l	91
73) Isopropylbenzene	11.22	105	715901	46.65	ug/l	97
74) N-amyl acetate	11.46	43	193884	56.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	125535	48.72	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	104214	46.30	ug/l	90
77) Bromobenzene	11.59	156	177928	44.75	ug/l	98
78) n-propylbenzene	11.69	91	822424	44.72	ug/l	100
79) 2-Chlorotoluene	11.81	91	698114	63.34	ug/l	96
80) 1,3,5-Trimethylbenzene	11.90	105	608488	44.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	45637m	51.12	ug/l	
82) 4-Chlorotoluene	11.98	91	541811	44.19	ug/l	97
83) tert-Butylbenzene	12.21	119	606314	44.63	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	607610	43.47	ug/l	93
85) sec-Butylbenzene	12.39	105	782533	44.57	ug/l	100
86) p-Isopropyltoluene	12.54	119	692642	44.82	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	333541	43.75	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	332553	46.49	ug/l	98
89) n-Butylbenzene	12.92	91	666381	45.13	ug/l	97
90) Hexachloroethane	12.99	117	164115	42.86	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	313947	44.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	29731	47.94	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072318\
Data File : VF059617.D
Acq On : 23 Jul 2018 16:26
Operator : VA/AP
Sample : VSTDICV050
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 88 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
ICVVF072318

Manual Integrations
APPROVED

apatel
7/24/2018 1:13:51 PM

Quant Time: Jul 24 07:32:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072318S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 24 04:17:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	244177	45.97	µg/l	97
94) Hexachlorobutadiene	14.25	225	157909	42.70	µg/l	98
95) Naphthalene	14.52	128	460365	53.36	µg/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	227352	47.08	µg/l	99

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

