

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059694.D
 Acq On : 30 Jul 2018 18:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:04 PM

Quant Time: Jul 31 04:24:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	208284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	291390	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	281614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	189056	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	18992	5.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.62%	
35) Dibromofluoromethane	4.28	113	16041	5.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.50%	
50) Toluene-d8	7.70	98	37088	5.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.00%	
62) 4-Bromofluorobenzene	11.50	95	22654	6.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	17393	8.09	ug/l	94
3) Chloromethane	1.08	50	9348	7.69	ug/l #	81
4) Vinyl Chloride	1.15	62	8472	6.58	ug/l	98
5) Bromomethane	1.33	94	6779	6.05	ug/l	90
6) Chloroethane	1.42	64	5514	6.87	ug/l #	76
7) Trichlorofluoromethane	1.53	101	22602m	5.84	ug/l	
8) Diethyl Ether	1.69	74	4006	7.31	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.90	101	10700	5.20	ug/l	90
10) Methyl Iodide	1.96	142	18597	6.17	ug/l #	78
11) Tert butyl alcohol	2.69	59	5639	40.15	ug/l #	65
12) 1,1-Dichloroethene	1.85	96	9624	6.32	ug/l	85
13) Acrolein	2.09	56	2088	33.59	ug/l	89
14) Allyl chloride	2.19	41	13137	5.28	ug/l	91
15) Acrylonitrile	3.07	53	8605	40.20	ug/l #	62
16) Acetone	2.33	43	20359	34.16	ug/l #	91
17) Carbon Disulfide	1.88	76	23802	6.43	ug/l	99
18) Methyl Acetate	2.44	43	8238	8.26	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	29376	6.90	ug/l	98
20) Methylene Chloride	2.28	84	15442m	7.03	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	10328	6.61	ug/l	89
22) Diisopropyl ether	2.92	45	29057	5.84	ug/l	90
23) Vinyl Acetate	3.33	43	72102	29.22	ug/l #	96
24) 1,1-Dichloroethane	2.99	63	20736	5.85	ug/l	96
25) 2-Butanone	4.51	43	20378	31.03	ug/l #	94
26) 2,2-Dichloropropane	3.75	77	15150	5.26	ug/l #	77
27) cis-1,2-Dichloroethene	3.62	96	9869	5.39	ug/l	93
28) Bromochloromethane	3.87	49	8863	6.79	ug/l #	81
29) Tetrahydrofuran	4.26	42	8045	30.52	ug/l #	89
30) Chloroform	4.03	83	29847	5.97	ug/l	94
31) Cyclohexane	3.86	56	10289	5.06	ug/l	93
32) 1,1,1-Trichloroethane	4.28	97	23178	5.65	ug/l	93
36) 1,1-Dichloropropene	4.44	75	20156	6.38	ug/l	94
37) Ethyl Acetate	4.29	43	9827	7.13	ug/l #	82
38) Carbon Tetrachloride	4.17	117	25778m	5.56	ug/l	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059694.D
 Acq On : 30 Jul 2018 18:08
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:04 PM

Quant Time: Jul 31 04:24:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	14769	5.74	ug/l	97
40) Benzene	4.80	78	32246	5.74	ug/l	96
41) Methacrylonitrile	4.94	41	4554	6.71	ug/l #	67
42) 1,2-Dichloroethane	5.11	62	22092	6.05	ug/l	89
43) Isopropyl Acetate	7.11	43	9362	6.56	ug/l #	98
44) Trichloroethene	5.67	130	13181	6.06	ug/l	75
45) 1,2-Dichloropropane	6.40	63	8244	5.53	ug/l	95
46) Dibromomethane	6.25	93	8295	6.40	ug/l	87
47) Bromodichloromethane	6.54	83	20775	5.47	ug/l	97
48) Methyl methacrylate	6.88	41	6769	6.04	ug/l #	78
49) 1,4-Dioxane	6.86	88	1031	115.31	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	33693	29.33	ug/l	98
52) Toluene	7.78	92	26075	6.25	ug/l	80
53) t-1,3-Dichloropropene	8.43	75	18758	6.18	ug/l #	83
54) cis-1,3-Dichloropropene	7.45	75	17719	5.62	ug/l	93
55) 1,1,2-Trichloroethane	8.63	97	8382	6.05	ug/l	87
56) Ethyl methacrylate	8.76	69	7733	5.27	ug/l	95
57) 1,3-Dichloropropane	8.99	76	14306	5.97	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.77	63	5216	29.42	ug/l	100
59) 2-Hexanone	9.63	43	32958	38.68	ug/l	89
60) Dibromochloromethane	8.85	129	13979	5.60	ug/l	99
61) 1,2-Dibromoethane	9.13	107	9189	5.49	ug/l #	75
64) Tetrachloroethene	8.29	164	12843	5.72	ug/l	96
65) Chlorobenzene	9.93	112	33744	6.17	ug/l	91
66) 1,1,1,2-Tetrachloroethane	10.06	131	14607	5.80	ug/l	93
67) Ethyl Benzene	10.03	91	54785	5.52	ug/l	98
68) m/p-Xylenes	10.26	106	40059	11.67	ug/l	99
69) o-Xylene	10.82	106	20890	5.63	ug/l	98
70) Styrene	10.90	104	31030	5.75	ug/l	93
71) Bromoform	10.89	173	9111	5.87	ug/l	89
73) Isopropylbenzene	11.23	105	65222	5.05	ug/l	92
74) N-amyl acetate	11.46	43	19087	7.22	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.78	83	13178	6.22	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	11700	6.72	ug/l	98
77) Bromobenzene	11.59	156	18141	5.79	ug/l	89
78) n-propylbenzene	11.68	91	79258	5.33	ug/l	99
79) 2-Chlorotoluene	11.81	91	50690	5.60	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	60924	5.38	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	3895m	4.31	ug/l	
82) 4-Chlorotoluene	11.98	91	55077	5.78	ug/l	99
83) tert-Butylbenzene	12.21	119	61850	5.40	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	61327	5.27	ug/l	97
85) sec-Butylbenzene	12.38	105	77608	5.15	ug/l	97
86) p-Isopropyltoluene	12.54	119	67406	5.21	ug/l	97
87) 1,3-Dichlorobenzene	12.56	146	36318	5.95	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	34530	5.93	ug/l	98
89) n-Butylbenzene	12.91	91	66260	5.29	ug/l	91
90) Hexachloroethane	12.99	117	16785	5.09	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	36005	6.34	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2651	5.14	ug/l	71

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
Data File : VF059694.D
Acq On : 30 Jul 2018 18:08
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 89 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

apatel
7/31/2018 12:13:04 PM

Quant Time: Jul 31 04:24:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 03:48:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	26588	5.84	µg/l	93
94) Hexachlorobutadiene	14.25	225	16970	5.07	µg/l	93
95) Naphthalene	14.52	128	41664	5.75	µg/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	25383	6.14	µg/l	98

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

