

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF111918\
 Data File : VF060780.D
 Acq On : 19 Nov 2018 15:56
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/20/2018 12:01:50 PM

Quant Time: Nov 20 02:35:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F111318S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 14 03:11:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	150727	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.60	114	265480	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.78	117	251444	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.55	152	137315	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	88229	51.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.64%	
35) Dibromofluoromethane	4.12	113	97782	49.00	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.00%	
50) Toluene-d8	7.56	98	268392	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	
62) 4-Bromofluorobenzene	11.42	95	126941	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	144420	53.539	ug/l	97
3) Chloromethane	1.09	50	85364	51.027	ug/l	95
4) Vinyl Chloride	1.14	62	79423	53.072	ug/l	99
5) Bromomethane	1.32	94	51084	53.738	ug/l	100
6) Chloroethane	1.37	64	32604	55.684	ug/l	100
7) Trichlorofluoromethane	1.49	101	191428	57.845	ug/l	88
8) Diethyl Ether	1.63	74	21469	50.634	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.82	101	87027	55.805	ug/l	99
10) Methyl Iodide	1.88	142	139272	55.661	ug/l	97
11) Tert butyl alcohol	2.57	59	21453	274.184	ug/l	96
12) 1,1-Dichloroethene	1.78	96	63148	51.353	ug/l	98
13) Acrolein	2.00	56	17558	245.424	ug/l	87
14) Allyl chloride	2.10	41	117811	54.687	ug/l	96
15) Acrylonitrile	2.94	53	44345	265.977	ug/l	95
16) Acetone	2.23	43	105984	288.415	ug/l	97
17) Carbon Disulfide	1.82	76	193794m	52.143	ug/l	
18) Methyl Acetate	2.34	43	34364	56.951	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	166273	56.363	ug/l	99
20) Methylene Chloride	2.18	84	68205m	56.202	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	68013	52.939	ug/l	97
22) Diisopropyl ether	2.80	45	229577	55.199	ug/l	96
23) Vinyl Acetate	3.18	43	522790	266.932	ug/l	97
24) 1,1-Dichloroethane	2.88	63	143016	56.798	ug/l	98
25) 2-Butanone	4.33	43	159504	263.893	ug/l	99
26) 2,2-Dichloropropane	3.60	77	116216	58.651	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	107643	49.252	ug/l	99
28) Bromochloromethane	3.72	49	68562	52.394	ug/l	96
29) Tetrahydrofuran	4.08	42	63127	253.200	ug/l	98
30) Chloroform	3.86	83	209432	51.840	ug/l	99
31) Cyclohexane	3.69	56	143899	47.086	ug/l	96
32) 1,1,1-Trichloroethane	4.10	97	185928	58.441	ug/l	99
36) 1,1-Dichloropropene	4.28	75	154820	50.284	ug/l	96
37) Ethyl Acetate	4.10	43	59172	51.693	ug/l #	77
38) Carbon Tetrachloride	4.00	117	165518m	55.403	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	173150	48.474	ug/l	96
40) Benzene	4.63	78	332721	48.478	ug/l	100
41) Methacrylonitrile	4.75	41	34763	57.621	ug/l #	92
42) 1,2-Dichloroethane	4.95	62	128558	54.203	ug/l	100
43) Isopropyl Acetate	6.96	43	71976	47.424	ug/l #	96
44) Trichloroethene	5.51	130	99117	45.773	ug/l	93
45) 1,2-Dichloropropane	6.24	63	89124	49.902	ug/l	98
46) Dibromomethane	6.09	93	60743	51.524	ug/l	96
47) Bromodichloromethane	6.39	83	160163	53.201	ug/l	98
48) Methyl methacrylate	6.72	41	51497	51.269	ug/l	94
49) 1,4-Dioxane	6.71	88	10416	1108.799	ug/l	86
51) 4-Methyl-2-Pentanone	8.26	43	265673	242.032	ug/l	97
52) Toluene	7.63	92	222852	48.453	ug/l	97
53) t-1,3-Dichloropropene	8.28	75	128842	53.433	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	151409	48.341	ug/l	96
55) 1,1,2-Trichloroethane	8.50	97	67531	51.389	ug/l	94
56) Ethyl methacrylate	8.63	69	72562	48.620	ug/l	99
57) 1,3-Dichloropropane	8.85	76	123402	54.185	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.63	63	34218	250.990	ug/l	100
59) 2-Hexanone	9.49	43	188553	244.425	ug/l	97
60) Dibromochloromethane	8.73	129	97573	52.099	ug/l	99
61) 1,2-Dibromoethane	8.99	107	74657	54.019	ug/l	95
64) Tetrachloroethene	8.15	164	97099	48.765	ug/l	95
65) Chlorobenzene	9.80	112	256529	50.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	114379	51.683	ug/l	96
67) Ethyl Benzene	9.91	91	468662	49.002	ug/l	100
68) m/p-Xylenes	10.14	106	339120	99.218	ug/l	93
69) o-Xylene	10.72	106	192428	50.076	ug/l	100
70) Styrene	10.80	104	253770	48.660	ug/l	96
71) Bromoform	10.78	173	53562	53.821	ug/l	98
73) Isopropylbenzene	11.13	105	586269	53.042	ug/l	99
74) N-amyl acetate	11.38	43	124062	49.306	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.70	83	93331	51.074	ug/l	100
76) 1,2,3-Trichloropropane	11.80	75	64774	47.728	ug/l	87
77) Bromobenzene	11.50	156	118226	51.387	ug/l	94
78) n-propylbenzene	11.60	91	662718	51.410	ug/l	95
79) 2-Chlorotoluene	11.72	91	379152	50.606	ug/l	98
80) 1,3,5-Trimethylbenzene	11.83	105	452244	51.537	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	32498m	48.741	ug/l	
82) 4-Chlorotoluene	11.90	91	387922	50.541	ug/l	98
83) tert-Butylbenzene	12.14	119	489497	52.538	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	451698	49.772	ug/l	95
85) sec-Butylbenzene	12.31	105	660140	52.231	ug/l	95
86) p-Isopropyltoluene	12.46	119	535632	50.743	ug/l	96
87) 1,3-Dichlorobenzene	12.48	146	226917	49.561	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	226449	51.461	ug/l	95
89) n-Butylbenzene	12.85	91	543218	50.427	ug/l	96
90) Hexachloroethane	12.92	117	136001	52.676	ug/l	90
91) 1,2-Dichlorobenzene	12.95	146	218130	50.599	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	17463	50.844	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	162685	52.504	ug/l	96
94) Hexachlorobutadiene	14.19	225	107513	53.098	ug/l	97
95) Naphthalene	14.46	128	303145	53.618	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	149379	52.172	ug/l	94

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

