

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF110918\
 Data File : VF060667.D
 Acq On : 9 Nov 2018 11:28
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/12/2018 2:40:56 PM

Quant Time: Nov 12 04:19:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 05:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	258921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	456414	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	397420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	224688	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	138241	52.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.68%	
35) Dibromofluoromethane	4.11	113	160699	45.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.14%	
50) Toluene-d8	7.55	98	487970	46.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.42%	
62) 4-Bromofluorobenzene	11.41	95	221947	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	143079	53.137	ug/l	98
3) Chloromethane	1.09	50	114394	50.481	ug/l	98
4) Vinyl Chloride	1.13	62	105054	50.310	ug/l	93
5) Bromomethane	1.30	94	59732	50.962	ug/l	91
6) Chloroethane	1.37	64	40337	53.832	ug/l	95
7) Trichlorofluoromethane	1.48	101	220161	56.333	ug/l	92
8) Diethyl Ether	1.62	74	32186	44.435	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.80	101	111575	49.960	ug/l	97
10) Methyl Iodide	1.87	142	181292	49.329	ug/l	92
11) Tert butyl alcohol	2.56	59	29805	216.643	ug/l #	81
12) 1,1-Dichloroethene	1.77	96	85605	45.511	ug/l	88
13) Acrolein	2.00	56	18815	214.492	ug/l	99
14) Allyl chloride	2.10	41	164254	53.480	ug/l	97
15) Acrylonitrile	2.94	53	61990	198.826	ug/l	90
16) Acetone	2.23	43	176024	285.547	ug/l	99
17) Carbon Disulfide	1.76	76	252700	47.693	ug/l	95
18) Methyl Acetate	2.33	43	47629	49.743	ug/l	100
19) Methyl tert-butyl Ether	2.42	73	213459	48.546	ug/l	99
20) Methylene Chloride	2.18	84	92950	50.960	ug/l	93
21) trans-1,2-Dichloroethene	2.30	96	100770	51.065	ug/l	96
22) Diisopropyl ether	2.79	45	331590	50.957	ug/l	99
23) Vinyl Acetate	3.18	43	747943	191.300	ug/l	99
24) 1,1-Dichloroethane	2.87	63	189076	50.206	ug/l	99
25) 2-Butanone	4.32	43	285232	245.426	ug/l	99
26) 2,2-Dichloropropane	3.60	77	168023	59.627	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	189070	50.189	ug/l	97
28) Bromochloromethane	3.71	49	124182	52.544	ug/l	99
29) Tetrahydrofuran	4.06	42	103017	224.744	ug/l	99
30) Chloroform	3.85	83	322780	54.174	ug/l	98
31) Cyclohexane	3.69	56	260534	50.131	ug/l	97
32) 1,1,1-Trichloroethane	4.09	97	248467	59.708	ug/l	97
36) 1,1-Dichloropropene	4.27	75	242953	48.345	ug/l	100
37) Ethyl Acetate	4.10	43	95406	39.548	ug/l #	68
38) Carbon Tetrachloride	3.98	117	231310	53.866	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	300700	49.032	ug/l	97
40) Benzene	4.62	78	571457	46.846	ug/l	99
41) Methacrylonitrile	4.73	41	56201	41.138	ug/l #	95
42) 1,2-Dichloroethane	4.94	62	177653	50.742	ug/l	98
43) Isopropyl Acetate	6.95	43	135350	44.356	ug/l #	96
44) Trichloroethene	5.50	130	159839	43.599	ug/l	98
45) 1,2-Dichloropropane	6.23	63	156052	50.020	ug/l	98
46) Dibromomethane	6.08	93	91698	46.330	ug/l	94
47) Bromodichloromethane	6.38	83	231684	48.531	ug/l	98
48) Methyl methacrylate	6.71	41	86518	45.113	ug/l	96
49) 1,4-Dioxane	6.69	88	14924	743.888	ug/l #	78
51) 4-Methyl-2-Pentanone	8.25	43	447111	217.889	ug/l	100
52) Toluene	7.62	92	372562	46.886	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	189692	45.718	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	262158	50.008	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	110984	47.997	ug/l	98
56) Ethyl methacrylate	8.62	69	124390	41.811	ug/l	95
57) 1,3-Dichloropropane	8.84	76	190271	46.896	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.62	63	51449	272.214	ug/l	100
59) 2-Hexanone	9.49	43	358452	265.387	ug/l	96
60) Dibromochloromethane	8.71	129	146158	45.196	ug/l	99
61) 1,2-Dibromoethane	8.98	107	112079	46.092	ug/l	97
64) Tetrachloroethene	8.14	164	150015	48.165	ug/l	96
65) Chlorobenzene	9.79	112	398564	49.041	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.93	131	155803	45.370	ug/l	99
67) Ethyl Benzene	9.90	91	711218	48.224	ug/l	100
68) m/p-Xylenes	10.13	106	542288	97.612	ug/l	98
69) o-Xylene	10.71	106	304648	50.220	ug/l	99
70) Styrene	10.79	104	415276	47.252	ug/l	98
71) Bromoform	10.77	173	75652	42.654	ug/l	97
73) Isopropylbenzene	11.12	105	860514	49.108	ug/l	100
74) N-amyl acetate	11.37	43	193902	43.176	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	149958	46.885	ug/l	97
76) 1,2,3-Trichloropropane	11.86	75	70758	45.015	ug/l	94
77) Bromobenzene	11.49	156	187934	49.015	ug/l	96
78) n-propylbenzene	11.60	91	986666	48.125	ug/l	95
79) 2-Chlorotoluene	11.71	91	580218	49.555	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	672712	46.575	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.86	75	53922m	43.649	ug/l	
82) 4-Chlorotoluene	11.89	91	572343	46.853	ug/l	99
83) tert-Butylbenzene	12.13	119	687880	46.618	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	692242	48.940	ug/l	99
85) sec-Butylbenzene	12.31	105	983638	48.459	ug/l	96
86) p-Isopropyltoluene	12.45	119	776734	46.468	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	347020	46.111	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	355052	49.740	ug/l	89
89) n-Butylbenzene	12.84	91	819355	50.626	ug/l	99
90) Hexachloroethane	12.92	117	202462	47.628	ug/l	97
91) 1,2-Dichlorobenzene	12.94	146	321116	45.608	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.64	75	27337	49.195	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	215229	44.997	ug/l	99
94) Hexachlorobutadiene	14.19	225	142927	46.113	ug/l	98
95) Naphthalene	14.45	128	411140	42.945	ug/l	97
96) 1,2,3-Trichlorobenzene	14.59	180	206413	45.683	ug/l	95

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

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