

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062718\
 Data File : VF059331.D
 Acq On : 27 Jun 2018 11:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00u/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/28/2018 11:09:43 AM

Quant Time: Jun 27 16:13:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	302619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	461558	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	460363	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	273640	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	168122	43.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.00%	
35) Dibromofluoromethane	4.28	113	151413	44.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.80%	
50) Toluene-d8	7.70	98	399295	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	11.50	95	212419	45.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	119421	43.19	ug/l	99
3) Chloromethane	1.08	50	90393	48.66	ug/l	100
4) Vinyl Chloride	1.14	62	91397	49.99	ug/l	99
5) Bromomethane	1.33	94	67978	66.90	ug/l	95
6) Chloroethane	1.42	64	49379	53.62	ug/l	95
7) Trichlorofluoromethane	1.49	101	177110m	48.99	ug/l	
8) Diethyl Ether	1.69	74	48259	52.06	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.89	101	105809	50.14	ug/l	97
10) Methyl Iodide	1.95	142	199314	51.79	ug/l	99
11) Tert butyl alcohol	2.66	59	58517	224.82	ug/l	94
12) 1,1-Dichloroethene	1.84	96	93375	52.34	ug/l	87
13) Acrolein	2.08	56	33723	273.53	ug/l	96
14) Allyl chloride	2.18	41	177502	53.00	ug/l #	89
15) Acrylonitrile	3.06	53	115640	252.29	ug/l	97
16) Acetone	2.32	43	289805	298.78	ug/l	98
17) Carbon Disulfide	1.83	76	217109	51.73	ug/l #	94
18) Methyl Acetate	2.44	43	98249	55.81	ug/l	98
19) Methyl tert-butyl Ether	2.52	73	334333	50.24	ug/l #	92
20) Methylene Chloride	2.26	84	108471	49.38	ug/l #	88
21) trans-1,2-Dichloroethene	2.40	96	98075	51.53	ug/l	95
22) Diisopropyl ether	2.90	45	400114	53.95	ug/l	94
23) Vinyl Acetate	3.32	43	1165490	246.76	ug/l	96
24) 1,1-Dichloroethane	2.98	63	226020	49.15	ug/l	99
25) 2-Butanone	4.49	43	335511	284.04	ug/l	95
26) 2,2-Dichloropropane	3.74	77	155924	49.16	ug/l	91
27) cis-1,2-Dichloroethene	3.61	96	151422	52.40	ug/l	85
28) Bromochloromethane	3.87	49	85304	48.15	ug/l	96
29) Tetrahydrofuran	4.24	42	143714	287.10	ug/l	97
30) Chloroform	4.02	83	318021	47.77	ug/l	97
31) Cyclohexane	3.85	56	147534	48.98	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	229509	47.11	ug/l	96
36) 1,1-Dichloropropene	4.44	75	206167	51.13	ug/l	99
37) Ethyl Acetate	4.27	43	138914	53.97	ug/l #	80
38) Carbon Tetrachloride	4.16	117	238034	46.78	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	180443	50.50	ug/l	99
40) Benzene	4.79	78	454231	50.81	ug/l	99
41) Methacrylonitrile	4.91	41	67331	48.95	ug/l	95
42) 1,2-Dichloroethane	5.10	62	247820	47.44	ug/l	99
43) Isopropyl Acetate	7.09	43	183760	54.71	ug/l #	87
44) Trichloroethene	5.66	130	151553	49.42	ug/l	96
45) 1,2-Dichloropropane	6.38	63	128235	50.20	ug/l	99
46) Dibromomethane	6.24	93	112683	50.83	ug/l	97
47) Bromodichloromethane	6.53	83	265818	49.53	ug/l	99
48) Methyl methacrylate	6.86	41	116223	51.63	ug/l	96
49) 1,4-Dioxane	6.85	88	13779	1153.82	ug/l	92
51) 4-Methyl-2-Pentanone	8.39	43	652333	262.17	ug/l	99
52) Toluene	7.76	92	321516	48.06	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	245047	50.10	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	274668	51.69	ug/l	97
55) 1,1,2-Trichloroethane	8.62	97	131879	50.77	ug/l	98
56) Ethyl methacrylate	8.74	69	173143	53.81	ug/l	98
57) 1,3-Dichloropropane	8.99	76	219812	49.35	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	57351	237.66	ug/l	100
59) 2-Hexanone	9.62	43	539273	291.29	ug/l	81
60) Dibromochloromethane	8.85	129	205921	51.35	ug/l	91
61) 1,2-Dibromoethane	9.11	107	155894	49.49	ug/l	96
64) Tetrachloroethene	8.29	164	147809	49.50	ug/l	98
65) Chlorobenzene	9.92	112	403920	47.35	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	173732	47.09	ug/l	92
67) Ethyl Benzene	10.02	91	718941	49.68	ug/l	97
68) m/p-Xylenes	10.25	106	434094	84.28	ug/l	99
69) o-Xylene	10.81	106	286281	49.69	ug/l	95
70) Styrene	10.89	104	423168	48.22	ug/l	98
71) Bromoform	10.88	173	125098	49.47	ug/l #	97
73) Isopropylbenzene	11.21	105	828425	51.97	ug/l	97
74) N-amyl acetate	11.45	43	306132	52.92	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	198069	49.20	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	151808	49.99	ug/l	96
77) Bromobenzene	11.58	156	217886	49.26	ug/l	96
78) n-propylbenzene	11.68	91	925720	48.35	ug/l	99
79) 2-Chlorotoluene	11.81	91	577346	49.36	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	693829	49.69	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	94994	52.55	ug/l	92
82) 4-Chlorotoluene	11.98	91	616952	49.24	ug/l	96
83) tert-Butylbenzene	12.20	119	717753	51.39	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	740959	50.38	ug/l	98
85) sec-Butylbenzene	12.38	105	909501	49.13	ug/l	100
86) p-Isopropyltoluene	12.53	119	800029	51.49	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	391015	53.91	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	397964	50.38	ug/l	99
89) n-Butylbenzene	12.91	91	790624	50.13	ug/l	99
90) Hexachloroethane	12.99	117	197355	50.97	ug/l	100
91) 1,2-Dichlorobenzene	13.01	146	399551	49.76	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	43544	48.79	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	305126	51.39	ug/l	98
94) Hexachlorobutadiene	14.25	225	170138	51.30	ug/l	93
95) Naphthalene	14.52	128	675641	54.39	ug/l	100
96) 1,2,3-Trichlorobenzene	14.66	180	293601	52.20	ug/l	98

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

