

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059564.D
 Acq On : 19 Jul 2018 19:06
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/20/2018 11:48:53 AM

Quant Time: Jul 20 05:19:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	225453	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	329508	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.91	117	326615	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	223506	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	178695	50.96	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	4.29	113	147959	51.85	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	7.71	98	346283	48.17	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.50	95	201978	53.56	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	141391	51.19	ug/l	97
3) Chloromethane	1.08	50	64230	42.26	ug/l	97
4) Vinyl Chloride	1.15	62	73936	48.21	ug/l	96
5) Bromomethane	1.34	94	60552	56.97	ug/l	93
6) Chloroethane	1.42	64	44183	57.14	ug/l	92
7) Trichlorofluoromethane	1.49	101	190181m	50.67	ug/l	
8) Diethyl Ether	1.69	74	34063	47.16	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.90	101	102374	64.59	ug/l	92
10) Methyl Iodide	1.96	142	183169	66.01	ug/l	88
11) Tert butyl alcohol	2.68	59	40456	274.98	ug/l #	83
12) 1,1-Dichloroethene	1.85	96	82082	48.70	ug/l	93
13) Acrolein	2.08	56	19951	338.58	ug/l #	81
14) Allyl chloride	2.19	41	146844	69.81	ug/l	84
15) Acrylonitrile	3.06	53	64275	218.49	ug/l #	86
16) Acetone	2.32	43	167831	329.20	ug/l	93
17) Carbon Disulfide	1.83	76	202694m	46.93	ug/l	
18) Methyl Acetate	2.44	43	48382	44.86	ug/l	94
19) Methyl tert-butyl Ether	2.53	73	263007	49.74	ug/l	93
20) Methylene Chloride	2.28	84	83161	52.83	ug/l #	84
21) trans-1,2-Dichloroethene	2.40	96	85715	55.00	ug/l	99
22) Diisopropyl ether	2.92	45	278603	47.13	ug/l	93
23) Vinyl Acetate	3.32	43	777666	225.10	ug/l	98
24) 1,1-Dichloroethane	2.99	63	191584	52.47	ug/l	100
25) 2-Butanone	4.49	43	168836	207.40	ug/l	98
26) 2,2-Dichloropropane	3.75	77	154520	63.97	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	104802	57.78	ug/l	92
28) Bromochloromethane	3.88	49	75554	47.01	ug/l #	99
29) Tetrahydrofuran	4.25	42	78397	235.40	ug/l	96
30) Chloroform	4.03	83	267852	50.79	ug/l	94
31) Cyclohexane	3.86	56	102002	53.94	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	229075	66.83	ug/l	99
36) 1,1-Dichloropropene	4.45	75	165080	50.05	ug/l	95
37) Ethyl Acetate	4.28	43	78618	43.51	ug/l #	1
38) Carbon Tetrachloride	4.17	117	247394	65.46	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	128903	51.50	ug/l	89
40) Benzene	4.81	78	308894	48.28	ug/l	99
41) Methacrylonitrile	4.91	41	40154	42.45	ug/l #	94
42) 1,2-Dichloroethane	5.10	62	212694	50.61	ug/l	99
43) Isopropyl Acetate	7.11	43	100631	42.46	ug/l #	99
44) Trichloroethene	5.67	130	115327	48.69	ug/l	96
45) 1,2-Dichloropropane	6.40	63	86593	48.76	ug/l	97
46) Dibromomethane	6.25	93	79522	49.17	ug/l	92
47) Bromodichloromethane	6.54	83	209324	50.28	ug/l	97
48) Methyl methacrylate	6.87	41	73168	43.23	ug/l	100
49) 1,4-Dioxane	6.86	88	9730	1312.90	ug/l	90
51) 4-Methyl-2-Pentanone	8.40	43	374066	222.66	ug/l	94
52) Toluene	7.78	92	227959	49.12	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	187131	48.87	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	182501	47.86	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	93863	52.20	ug/l	97
56) Ethyl methacrylate	8.75	69	101928	45.71	ug/l	97
57) 1,3-Dichloropropane	9.00	76	152125	47.85	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	52602	267.21	ug/l	100
59) 2-Hexanone	9.63	43	288477	227.21	ug/l	97
60) Dibromochloromethane	8.86	129	156492	51.64	ug/l	97
61) 1,2-Dibromoethane	9.13	107	110745	49.64	ug/l	99
64) Tetrachloroethene	8.30	164	123474	50.77	ug/l	95
65) Chlorobenzene	9.93	112	307335	50.17	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	146629	52.55	ug/l	96
67) Ethyl Benzene	10.03	91	566012	51.91	ug/l	98
68) m/p-Xylenes	10.26	106	392794	102.07	ug/l	98
69) o-Xylene	10.82	106	220199	53.74	ug/l	89
70) Styrene	10.90	104	324252	51.48	ug/l	97
71) Bromoform	10.88	173	98169	50.65	ug/l	96
73) Isopropylbenzene	11.23	105	687228	48.73	ug/l	98
74) N-amyl acetate	11.46	43	165729	36.69	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	134503	43.73	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	108833	43.33	ug/l	100
77) Bromobenzene	11.59	156	182261	46.11	ug/l	89
78) n-propylbenzene	11.69	91	804697	49.74	ug/l	97
79) 2-Chlorotoluene	11.81	91	493924	49.57	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	596799	50.50	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	47640m	41.52	ug/l	
82) 4-Chlorotoluene	11.98	91	531289	47.58	ug/l	97
83) tert-Butylbenzene	12.21	119	588243	51.86	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	611351	50.28	ug/l	97
85) sec-Butylbenzene	12.39	105	757530	52.52	ug/l	100
86) p-Isopropyltoluene	12.54	119	661006	52.67	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	326714	48.17	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	327920	49.07	ug/l	98
89) n-Butylbenzene	12.91	91	657758	56.00	ug/l	96
90) Hexachloroethane	12.99	117	156487	54.89	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	314992	48.56	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	31297	44.91	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	240765	61.09	ug/l	98
94) Hexachlorobutadiene	14.25	225	154897	76.72	ug/l	99
95) Naphthalene	14.52	128	467372	57.08	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	235685	66.18	ug/l	100

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

