

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059168.D
 Acq On : 18 Jun 2018 11:22
 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
 6/19/2018 3:33:29 PM

Quant Time: Jun 19 03:37:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	289062	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.76	114	444910	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	444571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	265240	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	183242	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	4.28	113	168725	54.05	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.10%	
50) Toluene-d8	7.70	98	483670	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	11.50	95	249150	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	159970	48.895	ug/l	98
3) Chloromethane	1.08	50	120071	47.379	ug/l	100
4) Vinyl Chloride	1.15	62	93012	40.681	ug/l	97
5) Bromomethane	1.34	94	61932	46.488	ug/l	96
6) Chloroethane	1.42	64	46410	48.921	ug/l	96
7) Trichlorofluoromethane	1.48	101	192556m	54.181	ug/l	
8) Diethyl Ether	1.69	74	41283	46.170	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	1.89	101	92484	40.832	ug/l	95
10) Methyl Iodide	1.96	142	187192m	47.233	ug/l	
11) Tert butyl alcohol	2.67	59	52158	232.202	ug/l #	93
12) 1,1-Dichloroethene	1.85	96	90065	47.287	ug/l	89
13) Acrolein	2.08	56	53745	276.437	ug/l	98
14) Allyl chloride	2.18	41	170511	45.612	ug/l	95
15) Acrylonitrile	3.07	53	96318	215.902	ug/l	95
16) Acetone	2.33	43	249516	298.098	ug/l	93
17) Carbon Disulfide	1.83	76	225218	42.115	ug/l	99
18) Methyl Acetate	2.44	43	74824m	52.000	ug/l	
19) Methyl tert-butyl Ether	2.52	73	308734	52.215	ug/l	98
20) Methylene Chloride	2.27	84	93135m	46.471	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	91037	43.582	ug/l	93
22) Diisopropyl ether	2.92	45	360805	49.098	ug/l	98
23) Vinyl Acetate	3.32	43	1284087	265.018	ug/l	100
24) 1,1-Dichloroethane	3.00	63	211604	47.496	ug/l	99
25) 2-Butanone	4.49	43	327868	252.658	ug/l	99
26) 2,2-Dichloropropane	3.76	77	175908	54.425	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	156865	48.793	ug/l	89
28) Bromochloromethane	3.87	49	99108	49.424	ug/l #	91
29) Tetrahydrofuran	4.24	42	145653	254.731	ug/l	99
30) Chloroform	4.03	83	342612	53.758	ug/l	100
31) Cyclohexane	3.85	56	180792	46.453	ug/l	97
32) 1,1,1-Trichloroethane	4.26	97	253959	53.375	ug/l	97
36) 1,1-Dichloropropene	4.45	75	232135	53.829	ug/l	96
37) Ethyl Acetate	4.28	43	144133	54.091	ug/l	89
38) Carbon Tetrachloride	4.16	117	256109m	54.797	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	222340	50.580	ug/l	96
40) Benzene	4.80	78	523475	52.297	ug/l	98
41) Methacrylonitrile	4.91	41	71612	54.703	ug/l	95
42) 1,2-Dichloroethane	5.11	62	264593	58.938	ug/l	100
43) Isopropyl Acetate	7.10	43	187009	52.404	ug/l #	90
44) Trichloroethene	5.67	130	162945	52.099	ug/l	97
45) 1,2-Dichloropropane	6.39	63	146502	50.760	ug/l	98
46) Dibromomethane	6.24	93	118207	54.435	ug/l	97
47) Bromodichloromethane	6.53	83	280425	56.765	ug/l	99
48) Methyl methacrylate	6.86	41	128137	58.246	ug/l	95
49) 1,4-Dioxane	6.85	88	14859	926.996	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	660782	270.158	ug/l	99
52) Toluene	7.77	92	386595	53.621	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	272088	56.872	ug/l	98
54) cis-1,3-Dichloropropene	7.45	75	306492	55.768	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	134822	51.604	ug/l	97
56) Ethyl methacrylate	8.75	69	180207	54.721	ug/l	92
57) 1,3-Dichloropropane	8.99	76	235690	52.737	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	60680	257.691	ug/l	100
59) 2-Hexanone	9.62	43	540765	279.508	ug/l	95
60) Dibromochloromethane	8.85	129	219721	58.525	ug/l	99
61) 1,2-Dibromoethane	9.13	107	161074	53.059	ug/l	99
64) Tetrachloroethene	8.30	164	160889	49.342	ug/l	94
65) Chlorobenzene	9.94	112	466171	52.953	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	193596	55.283	ug/l	96
67) Ethyl Benzene	10.03	91	816093	53.351	ug/l	100
68) m/p-Xylenes	10.26	106	577264	100.797	ug/l	96
69) o-Xylene	10.82	106	318425	51.445	ug/l	95
70) Styrene	10.89	104	478977	51.145	ug/l	98
71) Bromoform	10.88	173	136848	57.543	ug/l	98
73) Isopropylbenzene	11.22	105	933282	50.822	ug/l	100
74) N-amyl acetate	11.45	43	327006	49.850	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	205922	47.298	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	155232	48.277	ug/l	97
77) Bromobenzene	11.59	156	243215	52.625	ug/l	83
78) n-propylbenzene	11.68	91	1061493	48.836	ug/l	99
79) 2-Chlorotoluene	11.81	91	644447	50.188	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	771172	50.738	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	101734	48.799	ug/l	97
82) 4-Chlorotoluene	11.99	91	685254	50.127	ug/l	99
83) tert-Butylbenzene	12.21	119	784061	51.953	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	799418	50.763	ug/l	98
85) sec-Butylbenzene	12.38	105	1010186	49.261	ug/l	99
86) p-Isopropyltoluene	12.54	119	867682	51.516	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	433134	50.761	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	421594	51.271	ug/l	98
89) n-Butylbenzene	12.91	91	861656	49.264	ug/l	99
90) Hexachloroethane	12.99	117	212834	51.313	ug/l	74
91) 1,2-Dichlorobenzene	13.01	146	430331	52.351	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	42418	49.670	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	311440	54.169	ug/l	98
94) Hexachlorobutadiene	14.25	225	183789	55.241	ug/l	95
95) Naphthalene	14.52	128	646087	52.610	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	295643	55.645	ug/l	97

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

