

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059821.D
 Acq On : 3 Aug 2018 1:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/3/2018 4:02:55 PM

Quant Time: Aug 03 08:06:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	200234	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	289321	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	272894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	167321	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	175455	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	4.29	113	153978	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
50) Toluene-d8	7.71	98	368030	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
62) 4-Bromofluorobenzene	11.50	95	187044	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	101299	44.35	ug/l	91
3) Chloromethane	1.08	50	58192	50.05	ug/l	93
4) Vinyl Chloride	1.15	62	66481	53.82	ug/l	96
5) Bromomethane	1.34	94	48498	47.36	ug/l	92
6) Chloroethane	1.43	64	38346	50.85	ug/l #	86
7) Trichlorofluoromethane	1.53	101	157606m	42.15	ug/l	
8) Diethyl Ether	1.70	74	30639	47.92	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	1.90	101	88348	45.11	ug/l	94
10) Methyl Iodide	1.96	142	140656	51.07	ug/l	90
11) Tert butyl alcohol	2.68	59	35952	247.76	ug/l	97
12) 1,1-Dichloroethene	1.85	96	76474	49.32	ug/l	80
13) Acrolein	2.08	56	21854	285.14	ug/l	88
14) Allyl chloride	2.19	41	126975	51.29	ug/l #	77
15) Acrylonitrile	3.08	53	77356	332.67	ug/l	95
16) Acetone	2.34	43	131480m	203.13	ug/l	
17) Carbon Disulfide	1.89	76	149058	46.63	ug/l #	93
18) Methyl Acetate	2.44	43	54990m	55.25	ug/l	
19) Methyl tert-butyl Ether	2.53	73	231087	48.87	ug/l	99
20) Methylene Chloride	2.28	84	75392m	53.98	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	71303	52.66	ug/l	95
22) Diisopropyl ether	2.92	45	285151	54.46	ug/l	91
23) Vinyl Acetate	3.33	43	736216	273.51	ug/l	98
24) 1,1-Dichloroethane	3.00	63	178533	49.08	ug/l #	96
25) 2-Butanone	4.50	43	168726	233.57	ug/l #	74
26) 2,2-Dichloropropane	3.76	77	104916	40.46	ug/l	93
27) cis-1,2-Dichloroethene	3.63	96	98367	50.50	ug/l	98
28) Bromochloromethane	3.87	49	70536	56.25	ug/l	92
29) Tetrahydrofuran	4.25	42	75753	272.85	ug/l	93
30) Chloroform	4.03	83	247337	48.18	ug/l	99
31) Cyclohexane	3.86	56	99052	56.74	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	183799	46.16	ug/l	96
36) 1,1-Dichloropropene	4.46	75	150423	51.47	ug/l	98
37) Ethyl Acetate	4.29	43	84564	59.45	ug/l #	91
38) Carbon Tetrachloride	4.16	117	190032m	41.31	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	118288	53.25	ug/l	96
40) Benzene	4.80	78	281672	48.21	ug/l	99
41) Methacrylonitrile	4.91	41	38560	53.12	ug/l #	92
42) 1,2-Dichloroethane	5.11	62	175088	42.82	ug/l	98
43) Isopropyl Acetate	7.11	43	86650	50.09	ug/l #	93
44) Trichloroethene	5.67	130	100127	51.22	ug/l	81
45) 1,2-Dichloropropane	6.40	63	79931	51.80	ug/l	95
46) Dibromomethane	6.25	93	69233	47.26	ug/l	93
47) Bromodichloromethane	6.55	83	186184	46.67	ug/l	99
48) Methyl methacrylate	6.87	41	64030	49.21	ug/l	93
49) 1,4-Dioxane	6.87	88	9997	1181.95	ug/l #	87
51) 4-Methyl-2-Pentanone	8.40	43	345927	262.86	ug/l	95
52) Toluene	7.78	92	200345	51.59	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	149081	43.07	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	162709	48.53	ug/l	96
55) 1,1,2-Trichloroethane	8.63	97	77242	48.81	ug/l	92
56) Ethyl methacrylate	8.75	69	81147	49.17	ug/l	96
57) 1,3-Dichloropropane	8.99	76	133172	49.06	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.78	63	41726	218.99	ug/l	100
59) 2-Hexanone	9.62	43	237307	225.02	ug/l	96
60) Dibromochloromethane	8.86	129	129283	46.30	ug/l	99
61) 1,2-Dibromoethane	9.13	107	88103	47.68	ug/l	99
64) Tetrachloroethene	8.30	164	107236	59.01	ug/l	94
65) Chlorobenzene	9.94	112	266742	48.86	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	122865	48.21	ug/l	97
67) Ethyl Benzene	10.03	91	469116	49.67	ug/l	99
68) m/p-Xylenes	10.26	106	320769	109.53	ug/l	99
69) o-Xylene	10.82	106	176131	50.61	ug/l	92
70) Styrene	10.90	104	264450	50.16	ug/l	96
71) Bromoform	10.88	173	85389	51.42	ug/l	98
73) Isopropylbenzene	11.23	105	563687	51.34	ug/l	98
74) N-amyl acetate	11.46	43	138783	50.11	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	114773	55.54	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	91976	52.34	ug/l	97
77) Bromobenzene	11.59	156	138999	48.48	ug/l	92
78) n-propylbenzene	11.68	91	635255	57.17	ug/l	100
79) 2-Chlorotoluene	11.81	91	389661	55.50	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	485013	56.16	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	36740m	50.48	ug/l	
82) 4-Chlorotoluene	11.99	91	403373	53.61	ug/l	99
83) tert-Butylbenzene	12.21	119	497905	50.52	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	488536	55.81	ug/l	97
85) sec-Butylbenzene	12.38	105	643756	58.30	ug/l	96
86) p-Isopropyltoluene	12.54	119	545147	56.49	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	258790	55.76	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	254803	54.07	ug/l	97
89) n-Butylbenzene	12.91	91	513895	56.08	ug/l	98
90) Hexachloroethane	12.99	117	139741	50.46	ug/l	93
91) 1,2-Dichlorobenzene	13.02	146	255653	56.38	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27680	54.79	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	190690	52.57	µg/l	94
94) Hexachlorobutadiene	14.25	225	132005	48.10	µg/l	98
95) Naphthalene	14.52	128	379336	52.58	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	191984	48.15	µg/l	97

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

