

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059796.D
 Acq On : 2 Aug 2018 12:51
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/3/2018 2:38:56 PM

Quant Time: Aug 02 13:09:55 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	5.03	168	212030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	310344	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	299270	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	185185	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	183217	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
35) Dibromofluoromethane	4.29	113	154770	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	7.71	98	365517	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.50	95	198694	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	107282	44.36	ug/l	93
3) Chloromethane	1.08	50	62374	50.73	ug/l	92
4) Vinyl Chloride	1.15	62	62764	47.56	ug/l #	82
5) Bromomethane	1.33	94	53402	49.43	ug/l	99
6) Chloroethane	1.42	64	43966	55.45	ug/l #	82
7) Trichlorofluoromethane	1.54	101	170398m	43.03	ug/l	
8) Diethyl Ether	1.69	74	31633	46.72	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.89	101	95074	45.84	ug/l #	88
10) Methyl Iodide	1.96	142	149080	51.12	ug/l	90
11) Tert butyl alcohol	2.69	59	36699	238.79	ug/l	99
12) 1,1-Dichloroethene	1.85	96	76392	46.52	ug/l	95
13) Acrolein	2.09	56	22590	278.72	ug/l	87
14) Allyl chloride	2.19	41	130137	49.64	ug/l	88
15) Acrylonitrile	3.07	53	69228	281.16	ug/l	89
16) Acetone	2.33	43	181867	265.34	ug/l	95
17) Carbon Disulfide	1.88	76	160650	47.57	ug/l	99
18) Methyl Acetate	2.44	43	57679	54.68	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	236752	47.28	ug/l	99
20) Methylene Chloride	2.27	84	80556m	54.54	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	69682	48.39	ug/l	92
22) Diisopropyl ether	2.92	45	275137	49.63	ug/l	95
23) Vinyl Acetate	3.33	43	776127	272.30	ug/l	97
24) 1,1-Dichloroethane	2.99	63	181955	47.24	ug/l	97
25) 2-Butanone	4.50	43	181503	237.28	ug/l #	73
26) 2,2-Dichloropropane	3.75	77	127515	46.44	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	99848	48.41	ug/l	95
28) Bromochloromethane	3.88	49	74280	55.91	ug/l #	78
29) Tetrahydrofuran	4.26	42	70253	238.96	ug/l	98
30) Chloroform	4.03	83	248510	45.71	ug/l	93
31) Cyclohexane	3.85	56	97053	52.17	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	189734	45.00	ug/l	98
36) 1,1-Dichloropropene	4.45	75	149092	47.24	ug/l	99
37) Ethyl Acetate	4.29	43	78398	50.68	ug/l #	93
38) Carbon Tetrachloride	4.16	117	227004	46.01	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	116430	48.47	ug/l	98
40) Benzene	4.80	78	284045	45.32	ug/l	99
41) Methacrylonitrile	4.92	41	36694	46.79	ug/l #	85
42) 1,2-Dichloroethane	5.10	62	191530	43.67	ug/l	99
43) Isopropyl Acetate	7.10	43	85320	45.98	ug/l #	94
44) Trichloroethene	5.67	130	107467	51.26	ug/l	87
45) 1,2-Dichloropropane	6.40	63	78452	47.40	ug/l	99
46) Dibromomethane	6.25	93	72803	46.33	ug/l	92
47) Bromodichloromethane	6.54	83	196506	45.92	ug/l	100
48) Methyl methacrylate	6.87	41	65688	47.06	ug/l	94
49) 1,4-Dioxane	6.86	88	10254	1134.07	ug/l	94
51) 4-Methyl-2-Pentanone	8.40	43	352469	249.69	ug/l	98
52) Toluene	7.78	92	207014	49.59	ug/l	95
53) t-1,3-Dichloropropene	8.43	75	171049	46.07	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	180247	50.12	ug/l	91
55) 1,1,2-Trichloroethane	8.63	97	80747	47.57	ug/l	93
56) Ethyl methacrylate	8.75	69	91899	51.92	ug/l	99
57) 1,3-Dichloropropane	9.00	76	138692	47.63	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	42061	205.80	ug/l	100
59) 2-Hexanone	9.63	43	254348	224.84	ug/l	96
60) Dibromochloromethane	8.86	129	136447	45.56	ug/l	99
61) 1,2-Dibromoethane	9.14	107	95299	48.08	ug/l	94
64) Tetrachloroethene	8.30	164	100427	49.68	ug/l	97
65) Chlorobenzene	9.93	112	290623	48.55	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	130789	46.79	ug/l	97
67) Ethyl Benzene	10.03	91	494598	47.75	ug/l	98
68) m/p-Xylenes	10.26	106	353455	110.10	ug/l	99
69) o-Xylene	10.82	106	191755	50.24	ug/l	95
70) Styrene	10.90	104	289817	50.13	ug/l	96
71) Bromoform	10.88	173	86788	47.65	ug/l #	97
73) Isopropylbenzene	11.23	105	605630	49.84	ug/l	99
74) N-amyl acetate	11.46	43	150325	49.04	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	117259	51.27	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	98104	50.44	ug/l	99
77) Bromobenzene	11.59	156	153776	48.46	ug/l	95
78) n-propylbenzene	11.69	91	679854	55.10	ug/l	96
79) 2-Chlorotoluene	11.81	91	429074	55.20	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	514961	53.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	55397	68.78	ug/l	93
82) 4-Chlorotoluene	11.98	91	449637	54.02	ug/l	99
83) tert-Butylbenzene	12.21	119	522616	47.91	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	529074	54.51	ug/l	99
85) sec-Butylbenzene	12.39	105	694100	56.64	ug/l	100
86) p-Isopropyltoluene	12.54	119	592770	55.39	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	291907	56.96	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	282761	54.23	ug/l	99
89) n-Butylbenzene	12.92	91	576223	56.90	ug/l	98
90) Hexachloroethane	12.99	117	147111	48.00	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	278201	55.35	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	27679	49.50	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	222819	55.79	µg/l	98
94) Hexachlorobutadiene	14.25	225	145223	47.81	µg/l	99
95) Naphthalene	14.52	128	399156	49.99	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	218523	49.52	µg/l	98

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

