

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072518\
 Data File : VF059656.D
 Acq On : 25 Jul 2018 13:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 25 13:47:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	256783	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.76	114	328074	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	302222	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	177706	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	137851	38.53	ug/l	0.02
Spiked Amount			Recovery	=	77.06%	
35) Dibromofluoromethane	4.29	113	146424	49.59	ug/l	0.02
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	7.71	98	402438	55.92	ug/l	0.02
Spiked Amount			Recovery	=	111.84%	
62) 4-Bromofluorobenzene	11.51	95	177746	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.99	85	135909	45.21	ug/l	94
3) Chloromethane	1.09	50	81304	55.16	ug/l	97
4) Vinyl Chloride	1.15	62	90711	54.65	ug/l	98
5) Bromomethane	1.33	94	62304	51.77	ug/l	98
6) Chloroethane	1.42	64	48029	48.11	ug/l	89
7) Trichlorofluoromethane	1.49	101	209199	46.44	ug/l	98
8) Diethyl Ether	1.70	74	30459	48.56	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.88	101	116090	54.55	ug/l	97
10) Methyl Iodide	1.92	142	183653	49.50	ug/l	91
11) Tert butyl alcohol	2.67	59	26303	197.41	ug/l #	93
12) 1,1-Dichloroethene	1.83	96	94250	56.88	ug/l	79
13) Acrolein	2.08	56	16914	258.91	ug/l	87
14) Allyl chloride	2.19	41	160624	52.74	ug/l #	90
15) Acrylonitrile	3.07	53	47396	206.66	ug/l #	83
16) Acetone	2.33	43	124973	237.56	ug/l	97
17) Carbon Disulfide	1.84	76	242457	58.84	ug/l	97
18) Methyl Acetate	2.45	43	38393	44.30	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	199404	43.05	ug/l	99
20) Methylene Chloride	2.28	84	83117	56.27	ug/l	86
21) trans-1,2-Dichloroethene	2.41	96	92022	49.87	ug/l	96
22) Diisopropyl ether	2.92	45	289303	49.53	ug/l	96
23) Vinyl Acetate	3.32	43	562569	208.78	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	204508	49.22	ug/l	100
25) 2-Butanone	4.51	43	148677	228.77	ug/l #	90
26) 2,2-Dichloropropane	3.76	77	188511	63.60	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	111378	49.32	ug/l	95
28) Bromochloromethane	3.89	49	56269	41.75	ug/l	96
29) Tetrahydrofuran	4.25	42	49930	209.06	ug/l	97
30) Chloroform	4.03	83	262591	45.55	ug/l	98
31) Cyclohexane	3.86	56	128596	53.17	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	239147	48.68	ug/l	100
36) 1,1-Dichloropropene	4.46	75	181353	53.95	ug/l	98
37) Ethyl Acetate	4.28	43	51448	44.12	ug/l #	96
38) Carbon Tetrachloride	4.17	117	236267	50.94	ug/l	87

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39) Methylcyclohexane	5.62	83	157825	57.89	ug/l	95
40) Benzene	4.80	78	324698	52.22	ug/l	99
41) Methacrylonitrile	4.91	41	27213	43.28	ug/l	95
42) 1,2-Dichloroethane	5.12	62	151138	41.02	ug/l	96
43) Isopropyl Acetate	7.10	43	60400	40.86	ug/l #	93
44) Trichloroethene	5.67	130	125984	54.90	ug/l	92
45) 1,2-Dichloropropane	6.40	63	79195	50.31	ug/l	97
46) Dibromomethane	6.25	93	53580	40.29	ug/l	99
47) Bromodichloromethane	6.55	83	177052	45.54	ug/l	98
48) Methyl methacrylate	6.87	41	44106	40.53	ug/l #	86
49) 1,4-Dioxane	6.86	88	6828	815.36	ug/l #	62
51) 4-Methyl-2-Pentanone	8.40	43	235073	216.36	ug/l	99
52) Toluene	7.78	92	222729	55.90	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	136084	43.93	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	160280	48.94	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	64350	46.42	ug/l	97
56) Ethyl methacrylate	8.76	69	66310	44.75	ug/l	92
57) 1,3-Dichloropropane	8.99	76	104288	43.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	40983	215.45	ug/l	100
59) 2-Hexanone	9.62	43	180030	216.98	ug/l	95
60) Dibromochloromethane	8.86	129	113270	44.19	ug/l	98
61) 1,2-Dibromoethane	9.14	107	68906	40.70	ug/l	98
64) Tetrachloroethene	8.30	164	114771	47.93	ug/l	96
65) Chlorobenzene	9.94	112	280003	50.01	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	122166	47.07	ug/l	98
67) Ethyl Benzene	10.04	91	540216	53.69	ug/l	100
68) m/p-Xylenes	10.26	106	375688	104.50	ug/l	95
69) o-Xylene	10.83	106	200070	52.28	ug/l	97
70) Styrene	10.90	104	275063	49.77	ug/l	97
71) Bromoform	10.88	173	60628	41.49	ug/l	99
73) Isopropylbenzene	11.23	105	651328	58.32	ug/l	98
74) N-amyl acetate	11.47	43	106495	44.47	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	80928	47.85	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	63131	45.19	ug/l	93
77) Bromobenzene	11.59	156	136216	49.85	ug/l	97
78) n-propylbenzene	11.68	91	725782	54.59	ug/l	98
79) 2-Chlorotoluene	11.81	91	428982	53.61	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	552353	55.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	41089	47.78	ug/l	90
82) 4-Chlorotoluene	11.99	91	423367	49.59	ug/l	99
83) tert-Butylbenzene	12.22	119	566987	56.68	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	536657	52.70	ug/l	99
85) sec-Butylbenzene	12.38	105	725554	54.40	ug/l	97
86) p-Isopropyltoluene	12.54	119	638458	54.99	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	263643	55.75	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	267424	50.48	ug/l	99
89) n-Butylbenzene	12.92	91	600434	60.84	ug/l	99
90) Hexachloroethane	12.99	117	152868	53.97	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	243836	47.76	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	16421	37.65	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	187153	51.64	ug/l	95
94) Hexachlorobutadiene	14.26	225	153975	52.20	ug/l	94
95) Naphthalene	14.52	128	257274	40.67	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	167859	46.54	ug/l	99

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

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