

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF112818\
 Data File : VF060850.D
 Acq On : 28 Nov 2018 11:04
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 11/29/2018 2:54:33 PM

Quant Time: Nov 29 03:44:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	222674	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	350276	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	345463	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	171382	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	123358	47.03	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	94.06%	
35) Dibromofluoromethane	4.13	113	138818	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	7.58	98	405739	49.57	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.42	95	183924	49.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	157705	47.37	ug/l	95
3) Chloromethane	1.10	50	99878	46.10	ug/l	97
4) Vinyl Chloride	1.14	62	98578	48.78	ug/l	99
5) Bromomethane	1.34	94	71639	50.27	ug/l	90
6) Chloroethane	1.39	64	45373	51.94	ug/l	93
7) Trichlorofluoromethane	1.49	101	200748	46.30	ug/l	96
8) Diethyl Ether	1.64	74	31035	49.78	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.83	101	103947	47.42	ug/l	91
10) Methyl Iodide	1.91	142	137734	41.34	ug/l	97
11) Tert butyl alcohol	2.58	59	25234	234.67	ug/l	99
12) 1,1-Dichloroethene	1.80	96	81966	46.49	ug/l	94
13) Acrolein	2.01	56	26212	257.28	ug/l	95
14) Allyl chloride	2.10	41	94783	43.13	ug/l	97
15) Acrylonitrile	2.96	53	57571	238.81	ug/l	91
16) Acetone	2.25	43	141810	293.16	ug/l	96
17) Carbon Disulfide	1.84	76	223025	47.18	ug/l	98
18) Methyl Acetate	2.36	43	42010	51.83	ug/l	99
19) Methyl tert-butyl Ether	2.44	73	187175	47.13	ug/l	99
20) Methylene Chloride	2.26	84	81230m	45.77	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	61747	36.33	ug/l	98
22) Diisopropyl ether	2.81	45	289586	48.41	ug/l	95
23) Vinyl Acetate	3.21	43	677021	247.60	ug/l	97
24) 1,1-Dichloroethane	2.88	63	168639	47.38	ug/l	100
25) 2-Butanone	4.35	43	219934	262.86	ug/l	100
26) 2,2-Dichloropropane	3.61	77	100196	43.43	ug/l	99
27) cis-1,2-Dichloroethene	3.49	96	142892	51.64	ug/l	90
28) Bromochloromethane	3.74	49	78293	45.84	ug/l	90
29) Tetrahydrofuran	4.09	42	77124	217.46	ug/l	97
30) Chloroform	3.88	83	250543	45.74	ug/l	97
31) Cyclohexane	3.71	56	169997m	46.03	ug/l	
32) 1,1,1-Trichloroethane	4.11	97	153012	40.28	ug/l	94
36) 1,1-Dichloropropene	4.29	75	192662	49.59	ug/l	96
37) Ethyl Acetate	4.13	43	76147	48.23	ug/l	84
38) Carbon Tetrachloride	4.00	117	146720	42.76	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	191771	47.10	ug/l	99
40) Benzene	4.65	78	431621	50.29	ug/l	100
41) Methacrylonitrile	4.76	41	40889	50.02	ug/l	96
42) 1,2-Dichloroethane	4.96	62	145173	46.33	ug/l	98
43) Isopropyl Acetate	6.97	43	97127	49.85	ug/l #	96
44) Trichloroethene	5.52	130	134170	47.81	ug/l	96
45) 1,2-Dichloropropane	6.25	63	117595	52.75	ug/l	97
46) Dibromomethane	6.11	93	72981	48.26	ug/l	93
47) Bromodichloromethane	6.40	83	195062	48.57	ug/l	97
48) Methyl methacrylate	6.74	41	65382	45.75	ug/l	95
49) 1,4-Dioxane	6.73	88	10093	964.99	ug/l	96
51) 4-Methyl-2-Pentanone	8.28	43	323732	222.35	ug/l	100
52) Toluene	7.64	92	290842	48.24	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	152820	46.78	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	201017	49.70	ug/l	99
55) 1,1,2-Trichloroethane	8.51	97	85808	48.85	ug/l	99
56) Ethyl methacrylate	8.64	69	94233	48.29	ug/l	93
57) 1,3-Dichloropropane	8.87	76	153324	49.89	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.31	63	34424	172.46	ug/l	95
59) 2-Hexanone	9.51	43	261674	256.19	ug/l	98
60) Dibromochloromethane	8.73	129	120184	45.92	ug/l	97
61) 1,2-Dibromoethane	9.01	107	88480	46.62	ug/l	90
64) Tetrachloroethene	8.17	164	122309	46.35	ug/l	98
65) Chlorobenzene	9.81	112	322541	47.99	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.95	131	123902	42.88	ug/l	97
67) Ethyl Benzene	9.92	91	563216	45.02	ug/l	97
68) m/p-Xylenes	10.15	106	412832	91.74	ug/l	92
69) o-Xylene	10.73	106	230844	46.52	ug/l	96
70) Styrene	10.80	104	318983	46.37	ug/l	99
71) Bromoform	10.79	173	63347	45.39	ug/l	96
73) Isopropylbenzene	11.14	105	684947	50.57	ug/l	98
74) N-amyl acetate	11.38	43	157772	50.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	113220	50.79	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	81328	50.20	ug/l	99
77) Bromobenzene	11.51	156	145016	48.84	ug/l	91
78) n-propylbenzene	11.61	91	795162	50.13	ug/l	97
79) 2-Chlorotoluene	11.74	91	451883	49.69	ug/l	95
80) 1,3,5-Trimethylbenzene	11.84	105	541951	49.29	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.89	75	39802m	50.14	ug/l	
82) 4-Chlorotoluene	11.92	91	455553	47.60	ug/l	94
83) tert-Butylbenzene	12.14	119	547402	48.88	ug/l	96
84) 1,2,4-Trimethylbenzene	12.22	105	537088	48.95	ug/l	97
85) sec-Butylbenzene	12.32	105	752110	49.06	ug/l	100
86) p-Isopropyltoluene	12.48	119	630495	49.05	ug/l	98
87) 1,3-Dichlorobenzene	12.49	146	272885	48.32	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	261868	47.58	ug/l	97
89) n-Butylbenzene	12.85	91	627778	48.30	ug/l	96
90) Hexachloroethane	12.93	117	157635	50.93	ug/l	92
91) 1,2-Dichlorobenzene	12.96	146	258201	48.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.66	75	19895	46.17	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	175944	47.08	ug/l	99
94) Hexachlorobutadiene	14.20	225	117597	47.20	ug/l	99
95) Naphthalene	14.47	128	327800	44.83	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	169444	48.83	ug/l	98

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

