

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121218\
 Data File : VD060539.D
 Acq On : 12 Dec 2018 11:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/13/2018 4:41:03 PM

Quant Time: Dec 13 00:22:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120518S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 06 01:49:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1656720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	2289801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1826934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	929381	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	630298	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	6.32	113	928520	55.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.42%	
50) Toluene-d8	9.45	98	2669322	54.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.43	95	930791	53.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	782229	49.599	ug/l	99
3) Chloromethane	1.78	50	807653	47.448	ug/l	96
4) Vinyl Chloride	1.87	62	678057	49.912	ug/l	100
5) Bromomethane	2.17	94	162135	47.706	ug/l	87
6) Chloroethane	2.28	64	203368	45.317	ug/l	96
7) Trichlorofluoromethane	2.53	101	765185	48.781	ug/l	98
8) Diethyl Ether	2.84	74	132174	48.783	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.11	101	505398	49.657	ug/l	99
10) Methyl Iodide	3.26	142	594895	50.004	ug/l	98
11) Tert butyl alcohol	3.97	59	137919	289.093	ug/l	100
12) 1,1-Dichloroethene	3.09	96	410643	49.590	ug/l	94
13) Acrolein	3.00	56	150062	287.866	ug/l	93
14) Allyl chloride	3.55	41	797818	50.780	ug/l	99
15) Acrylonitrile	4.10	53	755172	278.778	ug/l	97
16) Acetone	3.18	43	507304	269.517	ug/l	99
17) Carbon Disulfide	3.33	76	1354176	50.344	ug/l	100
18) Methyl Acetate	3.57	43	237153	53.013	ug/l	100
19) Methyl tert-butyl Ether	4.13	73	1248089	54.350	ug/l	100
20) Methylene Chloride	3.74	84	897687	52.131	ug/l	97
21) trans-1,2-Dichloroethene	4.11	96	916025	50.854	ug/l	97
22) Diisopropyl ether	4.87	45	3024148	53.611	ug/l	99
23) Vinyl Acetate	4.81	43	7812272	279.525	ug/l	99
24) 1,1-Dichloroethane	4.77	63	1547202	52.797	ug/l	99
25) 2-Butanone	5.63	43	1028475	277.727	ug/l	99
26) 2,2-Dichloropropane	5.60	77	1191029	52.611	ug/l	98
27) cis-1,2-Dichloroethene	5.60	96	951745	51.966	ug/l	97
28) Bromochloromethane	5.93	49	622519	47.953	ug/l	100
29) Tetrahydrofuran	5.96	42	585629	279.265	ug/l	99
30) Chloroform	6.11	83	1573653	53.302	ug/l	99
31) Cyclohexane	6.37	56	1372971	55.187	ug/l	99
32) 1,1,1-Trichloroethane	6.29	97	1307057	53.853	ug/l	100
36) 1,1-Dichloropropene	6.52	75	1198268	53.536	ug/l	99
37) Ethyl Acetate	5.70	43	534042	55.017	ug/l	98
38) Carbon Tetrachloride	6.50	117	1066231	53.063	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	1381386	54.139	ug/l	100
40) Benzene	6.80	78	3016716	52.738	ug/l	100
41) Methacrylonitrile	5.93	41	316247m	60.437	ug/l	
42) 1,2-Dichloroethane	6.89	62	818489	56.276	ug/l	99
43) Isopropyl Acetate	8.35	43	709621	59.222	ug/l	97
44) Trichloroethene	7.74	130	934181	54.646	ug/l	100
45) 1,2-Dichloropropane	8.11	63	771498	54.532	ug/l	100
46) Dibromomethane	8.21	93	457886	56.017	ug/l	94
47) Bromodichloromethane	8.49	83	1085419	55.964	ug/l	99
48) Methyl methacrylate	8.24	41	430380	60.703	ug/l	99
49) 1,4-Dioxane	8.22	88	82680	1286.681	ug/l	95
51) 4-Methyl-2-Pentanone	9.34	43	2191407	294.006	ug/l	98
52) Toluene	9.54	92	1941772	54.311	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	913871	57.344	ug/l	100
54) cis-1,3-Dichloropropene	9.10	75	1185775	56.632	ug/l	99
55) 1,1,2-Trichloroethane	10.18	97	546281	54.867	ug/l	98
56) Ethyl methacrylate	10.02	69	538931	59.809	ug/l	97
57) 1,3-Dichloropropane	10.38	76	861096	55.947	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.92	63	1532715	284.278	ug/l	99
59) 2-Hexanone	10.49	43	1640073	314.800	ug/l	100
60) Dibromochloromethane	10.63	129	726962	58.398	ug/l	99
61) 1,2-Dibromoethane	10.75	107	583095	57.466	ug/l	100
64) Tetrachloroethene	10.25	164	843180	52.122	ug/l	100
65) Chlorobenzene	11.31	112	2048961	53.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	674904	54.177	ug/l	97
67) Ethyl Benzene	11.42	91	3451875	52.360	ug/l	99
68) m/p-Xylenes	11.56	106	2558111	104.886	ug/l	98
69) o-Xylene	11.93	106	1193437	51.346	ug/l	97
70) Styrene	11.95	104	1952825	52.343	ug/l	100
71) Bromoform	12.11	173	477757	57.484	ug/l	99
73) Isopropylbenzene	12.28	105	3391322	51.566	ug/l	98
74) N-amyl acetate	12.13	43	916337	57.651	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.56	83	579657	55.055	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	589542	55.984	ug/l	100
77) Bromobenzene	12.53	156	909287	52.599	ug/l	93
78) n-propylbenzene	12.63	91	4274020	51.411	ug/l	98
79) 2-Chlorotoluene	12.70	91	2329539	51.639	ug/l	96
80) 1,3,5-Trimethylbenzene	12.79	105	2601634	51.770	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	171728	58.471	ug/l	99
82) 4-Chlorotoluene	12.81	91	2592568	51.168	ug/l	98
83) tert-Butylbenzene	13.05	119	2994136	53.139	ug/l	97
84) 1,2,4-Trimethylbenzene	13.09	105	2589721	49.769	ug/l	97
85) sec-Butylbenzene	13.22	105	3501812	49.864	ug/l	95
86) p-Isopropyltoluene	13.34	119	2828356	50.806	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	1575037	50.321	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	1588762	51.742	ug/l	97
89) n-Butylbenzene	13.65	91	2922740	53.830	ug/l	99
90) Hexachloroethane	13.85	117	731763	52.426	ug/l	83
91) 1,2-Dichlorobenzene	13.66	146	1257888	49.177	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.23	75	69412	54.409	ug/l #	46

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	1078443	53.933	ug/l	97
94) Hexachlorobutadiene	14.88	225	735072	49.825	ug/l	99
95) Naphthalene	14.96	128	1329966	55.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	839426	52.686	ug/l	99

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

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