

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
 Data File : VD060658.D
 Acq On : 20 Dec 2018 14:22
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/21/2018 11:32:44 AM

Quant Time: Dec 20 15:01:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 14:42:21 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.41	168	1580224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	2168435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.28	117	1737869	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	897620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.78	65	1062893	98.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.06%	
35) Dibromofluoromethane	6.32	113	1594121	101.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.68%	
50) Toluene-d8	9.46	98	4709238	99.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.68%	
62) 4-Bromofluorobenzene	12.43	95	1653997	103.15	ug/l	0.01
Spiked Amount	50.000		Recovery	=	206.30%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.60	85	2008527	88.129 ug/l	100
3) Chloromethane	1.76	50	1760901	94.046 ug/l	99
4) Vinyl Chloride	1.86	62	1435696	93.385 ug/l	98
5) Bromomethane	2.15	94	194184	48.576 ug/l	96
6) Chloroethane	2.26	64	324192	63.522 ug/l	99
7) Trichlorofluoromethane	2.51	101	1492420	84.142 ug/l	99
8) Diethyl Ether	2.83	74	272557	94.507 ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.09	101	961982	87.456 ug/l	99
10) Methyl Iodide	3.25	142	1168005	92.721 ug/l	98
11) Tert butyl alcohol	3.98	59	249327	511.795 ug/l	98
12) 1,1-Dichloroethene	3.07	96	780149	87.814 ug/l	94
13) Acrolein	2.98	56	216878	508.954 ug/l	95
14) Allyl chloride	3.53	41	1528200	90.463 ug/l	99
15) Acrylonitrile	4.09	53	1366505	495.034 ug/l	97
16) Acetone	3.16	43	881031	437.352 ug/l	97
17) Carbon Disulfide	3.32	76	2657101	89.375 ug/l	100
18) Methyl Acetate	3.55	43	460041	91.343 ug/l	100
19) Methyl tert-butyl Ether	4.13	73	2296144	96.269 ug/l	99
20) Methylene Chloride	3.72	84	1610499	89.322 ug/l	97
21) trans-1,2-Dichloroethene	4.10	96	1718547	91.572 ug/l	99
22) Diisopropyl ether	4.85	45	5376462	93.818 ug/l	97
23) Vinyl Acetate	4.80	43	13069980	464.352 ug/l	100
24) 1,1-Dichloroethane	4.76	63	2753245	91.700 ug/l	99
25) 2-Butanone	5.62	43	1903019	477.414 ug/l	98
26) 2,2-Dichloropropane	5.58	77	2091083	87.405 ug/l	99
27) cis-1,2-Dichloroethene	5.59	96	1773952	92.231 ug/l	100
28) Bromochloromethane	5.93	49	1165703	93.243 ug/l	93
29) Tetrahydrofuran	5.96	42	1093116	499.623 ug/l	99
30) Chloroform	6.10	83	2785483	91.815 ug/l	99
31) Cyclohexane	6.37	56	2500705	86.364 ug/l	98
32) 1,1,1-Trichloroethane	6.29	97	2317620	91.985 ug/l	98
36) 1,1-Dichloropropene	6.53	75	2055872	88.808 ug/l	100
37) Ethyl Acetate	5.70	43	965676	101.059 ug/l	98
38) Carbon Tetrachloride	6.50	117	1860782	89.096 ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	2450856	90.260	ug/l	99
40) Benzene	6.79	78	5374067	89.468	ug/l	99
41) Methacrylonitrile	5.93	41	586417m	103.561	ug/l	
42) 1,2-Dichloroethane	6.89	62	1451941	97.258	ug/l	99
43) Isopropyl Acetate	8.35	43	1372303	105.747	ug/l #	100
44) Trichloroethene	7.74	130	1702649	94.726	ug/l	96
45) 1,2-Dichloropropane	8.10	63	1397953	95.826	ug/l	98
46) Dibromomethane	8.22	93	832722	98.416	ug/l	97
47) Bromodichloromethane	8.49	83	1948350	95.242	ug/l	97
48) Methyl methacrylate	8.25	41	801236	101.433	ug/l	98
49) 1,4-Dioxane	8.23	88	152006	2055.132	ug/l	96
51) 4-Methyl-2-Pentanone	9.34	43	3806150	478.224	ug/l	99
52) Toluene	9.55	92	3437565	90.112	ug/l	98
53) t-1,3-Dichloropropene	9.92	75	1717946	98.908	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	2166372	95.420	ug/l	100
55) 1,1,2-Trichloroethane	10.19	97	1002328	99.082	ug/l	97
56) Ethyl methacrylate	10.03	69	1051246	101.588	ug/l	100
57) 1,3-Dichloropropane	10.38	76	1600464	99.204	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.93	63	2543278	465.770	ug/l	98
59) 2-Hexanone	10.49	43	2759551	487.977	ug/l	100
60) Dibromochloromethane	10.64	129	1339221	97.633	ug/l	99
61) 1,2-Dibromoethane	10.76	107	1105376	101.579	ug/l	98
64) Tetrachloroethene	10.26	164	1514440	90.119	ug/l	100
65) Chlorobenzene	11.32	112	3682200	90.177	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	1139397	85.145	ug/l	98
67) Ethyl Benzene	11.43	91	5612201	79.998	ug/l	99
68) m/p-Xylenes	11.56	106	4206809	165.115	ug/l	98
69) o-Xylene	11.94	106	2168382	87.791	ug/l	100
70) Styrene	11.96	104	3428774	86.031	ug/l	99
71) Bromoform	12.12	173	945338	104.904	ug/l	96
73) Isopropylbenzene	12.28	105	5904825	85.911	ug/l	98
74) N-amyl acetate	12.14	43	1700838	104.467	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.57	83	1072581	94.149	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	1088231	98.402	ug/l	99
77) Bromobenzene	12.54	156	1620701	88.492	ug/l	97
78) n-propylbenzene	12.64	91	7044636	80.446	ug/l	100
79) 2-Chlorotoluene	12.71	91	4015513	84.572	ug/l	99
80) 1,3,5-Trimethylbenzene	12.80	105	4228965	79.964	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.34	75	332264	103.444	ug/l	97
82) 4-Chlorotoluene	12.81	91	4205980	80.782	ug/l	91
83) tert-Butylbenzene	13.05	119	5012877	83.165	ug/l	95
84) 1,2,4-Trimethylbenzene	13.10	105	4577200	83.310	ug/l	99
85) sec-Butylbenzene	13.23	105	6171875	82.253	ug/l	99
86) p-Isopropyltoluene	13.35	119	4802589	81.867	ug/l	98
87) 1,3-Dichlorobenzene	13.32	146	2821135	84.731	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	2771332	84.340	ug/l	98
89) n-Butylbenzene	13.65	91	4420850	73.765	ug/l	98
90) Hexachloroethane	13.86	117	1355902	90.952	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	2022602	76.502	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.23	75	139579	103.703	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	1877684	85.743	ug/l	100
94) Hexachlorobutadiene	14.88	225	1331276	84.456	ug/l	98
95) Naphthalene	14.97	128	2584096	96.929	ug/l	100
96) 1,2,3-Trichlorobenzene	15.12	180	1596292	92.624	ug/l	99

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

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