

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102518\
 Data File : VD060197.D
 Acq On : 25 Oct 2018 16:14
 Operator : JC/SY
 Sample : VD1025SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1025SBS01

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:50:57 AM

Quant Time: Oct 26 03:57:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 02 06:56:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1631759	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	7.45	114	2314919	50.00	ug/l	0.03
63) Chlorobenzene-d5	11.28	117	1864011	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	13.37	152	1008031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.79	65	652022	52.71	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.42%	
35) Dibromofluoromethane	6.33	113	918805	52.27	ug/l	0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.45	98	2537497	50.62	ug/l	0.02
Spiked Amount	50.000		Recovery	=	101.24%	
62) 4-Bromofluorobenzene	12.43	95	986435	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.59	85	298560	19.451	ug/l	96
3) Chloromethane	1.76	50	325137	23.491	ug/l	96
4) Vinyl Chloride	1.86	62	262480	23.173	ug/l	97
5) Bromomethane	2.14	94	28063	19.731	ug/l	93
6) Chloroethane	2.25	64	55565	17.976	ug/l	97
7) Trichlorofluoromethane	2.51	101	287976	21.233	ug/l	99
8) Diethyl Ether	2.83	74	69249	24.830	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	212952	25.203	ug/l	98
10) Methyl Iodide	3.24	142	184901	20.636	ug/l	96
11) Tert butyl alcohol	3.97	59	84677	95.455	ug/l	100
12) 1,1-Dichloroethene	3.07	96	167009	25.090	ug/l	93
13) Acrolein	2.99	56	43570	79.676	ug/l	98
14) Allyl chloride	3.54	41	338441	24.481	ug/l	100
15) Acrylonitrile	4.08	53	410337	111.755	ug/l	98
16) Acetone	3.16	43	340057	151.514	ug/l	97
17) Carbon Disulfide	3.31	76	512719	22.905	ug/l	100
18) Methyl Acetate	3.56	43	114628	23.762	ug/l	97
19) Methyl tert-butyl Ether	4.13	73	654297	22.357	ug/l	100
20) Methylene Chloride	3.72	84	380391	18.853	ug/l	98
21) trans-1,2-Dichloroethene	4.10	96	375973	21.870	ug/l	97
22) Diisopropyl ether	4.86	45	1409158	22.824	ug/l	96
23) Vinyl Acetate	4.80	43	4043062	116.500	ug/l	97
24) 1,1-Dichloroethane	4.76	63	644327	23.017	ug/l	100
25) 2-Butanone	5.62	43	697283	124.358	ug/l	96
26) 2,2-Dichloropropane	5.59	77	514612	24.249	ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	405101	22.241	ug/l	93
28) Bromochloromethane	5.92	49	299343	22.005	ug/l	98
29) Tetrahydrofuran	5.95	42	366198	112.439	ug/l	98
30) Chloroform	6.10	83	651861	23.020	ug/l	99
31) Cyclohexane	6.36	56	568444	21.213	ug/l	97
32) 1,1,1-Trichloroethane	6.30	97	524265	22.598	ug/l	98
36) 1,1-Dichloropropene	6.52	75	476159	21.525	ug/l	97
37) Ethyl Acetate	5.70	43	322886	21.990	ug/l	97
38) Carbon Tetrachloride	6.49	117	443156	22.072	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.04	83	551487	21.942	ug/l	97
40) Benzene	6.80	78	1224990	21.167	ug/l	99
41) Methacrylonitrile	5.93	41	159880m	19.264	ug/l	
42) 1,2-Dichloroethane	6.90	62	368716	22.223	ug/l	99
43) Isopropyl Acetate	8.35	43	412198	21.338	ug/l	100
44) Trichloroethene	7.74	130	380584	21.244	ug/l	99
45) 1,2-Dichloropropane	8.11	63	335515	22.141	ug/l	99
46) Dibromomethane	8.21	93	207932	21.195	ug/l	93
47) Bromodichloromethane	8.49	83	480470	22.985	ug/l	99
48) Methyl methacrylate	8.24	41	243930	22.169	ug/l	98
49) 1,4-Dioxane	8.22	88	44123	407.547	ug/l	97
51) 4-Methyl-2-Pentanone	9.35	43	1359659	111.594	ug/l	98
52) Toluene	9.55	92	824875	22.131	ug/l	99
53) t-1,3-Dichloropropene	9.92	75	423065	22.367	ug/l	99
54) cis-1,3-Dichloropropene	9.10	75	529085	22.652	ug/l	97
55) 1,1,2-Trichloroethane	10.18	97	265514	21.791	ug/l	99
56) Ethyl methacrylate	10.04	69	290663	21.610	ug/l	97
57) 1,3-Dichloropropane	10.38	76	405867	21.841	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.92	63	838523	112.268	ug/l	95
59) 2-Hexanone	10.49	43	1054130	120.317	ug/l	100
60) Dibromochloromethane	10.65	129	332384	22.233	ug/l	99
61) 1,2-Dibromoethane	10.76	107	274639	21.213	ug/l	100
64) Tetrachloroethene	10.25	164	342212	20.961	ug/l	99
65) Chlorobenzene	11.31	112	907865	22.513	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.42	131	308697	22.947	ug/l	98
67) Ethyl Benzene	11.43	91	1561808	23.905	ug/l	99
68) m/p-Xylenes	11.57	106	1143999	46.863	ug/l	97
69) o-Xylene	11.93	106	536907	22.236	ug/l	91
70) Styrene	11.95	104	911419	22.571	ug/l	97
71) Bromoform	12.12	173	227680	20.901	ug/l	97
73) Isopropylbenzene	12.28	105	1492791	22.447	ug/l	99
74) N-amyl acetate	12.13	43	524295	21.524	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.56	83	312534	21.527	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	311353	21.448	ug/l	97
77) Bromobenzene	12.54	156	420664	21.768	ug/l	88
78) n-propylbenzene	12.64	91	1860702	22.533	ug/l	96
79) 2-Chlorotoluene	12.70	91	1030891	22.494	ug/l	95
80) 1,3,5-Trimethylbenzene	12.79	105	1175098	22.831	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.35	75	85533	20.969	ug/l	98
82) 4-Chlorotoluene	12.81	91	1201720	23.183	ug/l	97
83) tert-Butylbenzene	13.05	119	1356542	22.968	ug/l	99
84) 1,2,4-Trimethylbenzene	13.10	105	1233573	22.741	ug/l	98
85) sec-Butylbenzene	13.22	105	1574815	22.551	ug/l	98
86) p-Isopropyltoluene	13.34	119	1287762	22.482	ug/l	99
87) 1,3-Dichlorobenzene	13.31	146	750682	22.296	ug/l	98
88) 1,4-Dichlorobenzene	13.39	146	749876	22.173	ug/l	98
89) n-Butylbenzene	13.65	91	1386931	24.815	ug/l	98
90) Hexachloroethane	13.86	117	301395	22.736	ug/l	62
91) 1,2-Dichlorobenzene	13.66	146	660416	23.328	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	41675	21.499	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	517134	21.521	ug/l	99
94) Hexachlorobutadiene	14.88	225	342454	21.440	ug/l	99
95) Naphthalene	14.97	128	710264	19.941	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	426618	20.409	ug/l	99

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

