

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051419\
 Data File : VD062341.D
 Acq On : 14 May 2019 12:50
 Operator : FY/SY
 Sample : VD0514SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0514SBS01

Quant Time: May 14 13:14:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	810497	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.24	114	1005203	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.38	117	900849	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	461352	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	362571	48.14	ug/l	0.04
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	6.94	113	422027	50.60	ug/l	0.04
Spiked Amount	50.000		Recovery	=	101.20%	
50) Toluene-d8	10.42	98	965083	47.99	ug/l	0.02
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	13.56	95	403054	49.91	ug/l	0.02
Spiked Amount	50.000		Recovery	=	99.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	123244	15.899	ug/l	98
3) Chloromethane	1.75	50	91915	16.410	ug/l	95
4) Vinyl Chloride	1.86	62	93185	16.928	ug/l	97
5) Bromomethane	2.16	94	29038	22.513	ug/l	96
6) Chloroethane	2.26	64	41854	18.120	ug/l	98
7) Trichlorofluoromethane	2.53	101	221331	20.681	ug/l	98
8) Diethyl Ether	2.88	74	36804	17.831	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.16	101	148774	18.377	ug/l	95
10) Methyl Iodide	3.32	142	143255	11.708	ug/l #	79
11) Tert butyl alcohol	4.08	59	36549	95.063	ug/l	98
12) 1,1-Dichloroethene	3.14	96	104023	16.832	ug/l	91
13) Acrolein	3.04	56	34017	85.543	ug/l	97
14) Allyl chloride	3.63	41	162592	18.095	ug/l #	74
15) Acrylonitrile	4.21	53	94824	93.833	ug/l	88
16) Acetone	3.24	43	177551	112.406	ug/l #	87
17) Carbon Disulfide	3.39	76	257102	14.462	ug/l	100
18) Methyl Acetate	3.65	43	52177	18.277	ug/l #	88
19) Methyl tert-butyl Ether	4.25	73	250167	18.886	ug/l	96
20) Methylene Chloride	3.83	84	117402	17.801	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	119728	17.410	ug/l	91
22) Diisopropyl ether	5.13	45	357989	18.722	ug/l #	81
23) Vinyl Acetate	5.08	43	1060112	105.082	ug/l	99
24) 1,1-Dichloroethane	5.01	63	215822	18.710	ug/l	99
25) 2-Butanone	6.09	43	170019	98.681	ug/l	99
26) 2,2-Dichloropropane	6.04	77	244593	21.287	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	140705	18.280	ug/l	95
28) Bromochloromethane	6.46	49	103908	22.896	ug/l	81
29) Tetrahydrofuran	6.48	42	74001	93.218	ug/l	93
30) Chloroform	6.68	83	260069	18.708	ug/l	97
31) Cyclohexane	6.98	56	120751	15.280	ug/l	99
32) 1,1,1-Trichloroethane	6.89	97	260009	19.788	ug/l	96
36) 1,1-Dichloropropene	7.16	75	175560	21.301	ug/l	93
37) Ethyl Acetate	6.20	43	74476	21.308	ug/l #	90
38) Carbon Tetrachloride	7.12	117	253103	22.188	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.89	83	140502	17.793	ug/l	91
40) Benzene	7.47	78	354186	19.031	ug/l	97
41) Methacrylonitrile	6.47	41	94952	22.230	ug/l #	89
42) 1,2-Dichloroethane	7.60	62	176125	22.336	ug/l	94
43) Isopropyl Acetate	9.26	43	98091	19.788	ug/l #	88
44) Trichloroethene	8.55	130	136378	19.231	ug/l	79
45) 1,2-Dichloropropane	8.96	63	89610	19.466	ug/l	99
46) Dibromomethane	9.08	93	78571	20.989	ug/l	93
47) Bromodichloromethane	9.39	83	189518	20.698	ug/l	99
48) Methyl methacrylate	9.13	41	69320	22.703	ug/l #	85
49) 1,4-Dioxane	9.10	88	11394	345.864	ug/l #	94
51) 4-Methyl-2-Pentanone	10.31	43	343354	107.757	ug/l	96
52) Toluene	10.52	92	244933	20.227	ug/l	93
53) t-1,3-Dichloropropene	10.93	75	173055	21.868	ug/l	99
54) cis-1,3-Dichloropropene	10.06	75	173849	20.137	ug/l	91
55) 1,1,2-Trichloroethane	11.20	97	90621	21.151	ug/l	95
56) Ethyl methacrylate	11.05	69	89132	20.020	ug/l #	87
57) 1,3-Dichloropropane	11.43	76	137732	21.279	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.87	63	260481	107.109	ug/l	99
59) 2-Hexanone	11.54	43	273881	116.620	ug/l	91
60) Dibromochloromethane	11.70	129	159097	21.487	ug/l	99
61) 1,2-Dibromoethane	11.82	107	102231	19.626	ug/l	95
64) Tetrachloroethene	11.27	164	130263	18.492	ug/l	93
65) Chlorobenzene	12.41	112	310796	18.523	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.53	131	141759	19.413	ug/l	97
67) Ethyl Benzene	12.54	91	561376	19.985	ug/l	97
68) m/p-Xylenes	12.68	106	388666	38.031	ug/l	89
69) o-Xylene	13.06	106	158624	16.695	ug/l	76
70) Styrene	13.08	104	273416	16.988	ug/l #	91
71) Bromoform	13.25	173	92356	18.179	ug/l	99
73) Isopropylbenzene	13.41	105	509710	18.431	ug/l	94
74) N-amyl acetate	13.28	43	136693	18.853	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	92104	17.592	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	108470	19.784	ug/l	99
77) Bromobenzene	13.68	156	150995	19.504	ug/l	96
78) n-propylbenzene	13.79	91	672070	20.372	ug/l	97
79) 2-Chlorotoluene	13.85	91	390729	20.681	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	462345	19.854	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	27132	17.529	ug/l #	71
82) 4-Chlorotoluene	13.95	91	446720	20.093	ug/l	85
83) tert-Butylbenzene	14.20	119	501032	19.142	ug/l	96
84) 1,2,4-Trimethylbenzene	14.25	105	497333	21.282	ug/l	92
85) sec-Butylbenzene	14.38	105	584930	20.382	ug/l	100
86) p-Isopropyltoluene	14.50	119	482539	18.819	ug/l	91
87) 1,3-Dichlorobenzene	14.47	146	264130	18.677	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	255152	18.362	ug/l	99
89) n-Butylbenzene	14.81	91	467196	20.300	ug/l	98
90) Hexachloroethane	15.02	117	129004	18.501	ug/l	77
91) 1,2-Dichlorobenzene	14.82	146	232095	19.928	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	16180	18.827	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	176789	20.854	ug/l	98
94) Hexachlorobutadiene	16.04	225	128317	20.351	ug/l	97
95) Naphthalene	16.13	128	244542	20.662	ug/l	98
96) 1,2,3-Trichlorobenzene	16.28	180	127062	23.839	ug/l	95

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

