

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD052819\
 Data File : VD062537.D
 Acq On : 28 May 2019 14:31
 Operator : VA/AP
 Sample : VD0528SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0528SBS01

Quant Time: May 29 01:00:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D052019S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 21 03:32:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	410866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.24	114	532117	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.38	117	445879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	266133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	254677	57.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.82%	
35) Dibromofluoromethane	6.94	113	255231	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	
50) Toluene-d8	10.43	98	531202	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.56	95	233495	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	94431	21.658	ug/l	98
3) Chloromethane	1.75	50	57808	20.310	ug/l	99
4) Vinyl Chloride	1.85	62	65246	21.784	ug/l	91
5) Bromomethane	2.15	94	35482	27.454	ug/l	90
6) Chloroethane	2.26	64	33424	23.069	ug/l	95
7) Trichlorofluoromethane	2.53	101	160039	23.126	ug/l	97
8) Diethyl Ether	2.88	74	18821	20.161	ug/l	57
9) 1,1,2-Trichlorotrifluoroet	3.15	101	81434	19.780	ug/l #	91
10) Methyl Iodide	3.30	142	102217	17.806	ug/l #	74
11) Tert butyl alcohol	4.10	59	23983	118.139	ug/l	96
12) 1,1-Dichloroethene	3.13	96	60119	19.758	ug/l #	72
13) Acrolein	3.04	56	14935	88.589	ug/l #	69
14) Allyl chloride	3.63	41	78570	17.513	ug/l #	59
15) Acrylonitrile	4.22	53	41489	89.189	ug/l	93
16) Acetone	3.24	43	79767	101.211	ug/l #	84
17) Carbon Disulfide	3.37	76	165885	18.001	ug/l	97
18) Methyl Acetate	3.66	43	27842	20.473	ug/l #	84
19) Methyl tert-butyl Ether	4.25	73	138146	19.657	ug/l	96
20) Methylene Chloride	3.83	84	64290	14.704	ug/l	99
21) trans-1,2-Dichloroethene	4.23	96	63202	17.743	ug/l	90
22) Diisopropyl ether	5.14	45	174425	18.265	ug/l #	89
23) Vinyl Acetate	5.08	43	535106	92.734	ug/l	96
24) 1,1-Dichloroethane	5.00	63	110658	17.992	ug/l	96
25) 2-Butanone	6.09	43	71017	86.154	ug/l #	86
26) 2,2-Dichloropropane	6.04	77	132505	19.986	ug/l	88
27) cis-1,2-Dichloroethene	6.05	96	67080	17.464	ug/l	83
28) Bromochloromethane	6.45	49	38545	17.462	ug/l	94
29) Tetrahydrofuran	6.47	42	34975	88.842	ug/l	97
30) Chloroform	6.68	83	146410	18.673	ug/l	96
31) Cyclohexane	6.97	56	70549	16.989	ug/l	92
32) 1,1,1-Trichloroethane	6.89	97	156711	19.797	ug/l	97
36) 1,1-Dichloropropene	7.16	75	96649	18.998	ug/l	95
37) Ethyl Acetate	6.19	43	42437	21.472	ug/l #	90
38) Carbon Tetrachloride	7.12	117	154891	20.486	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	79711	18.996	ug/l	93
40) Benzene	7.47	78	176816	17.719	ug/l	96
41) Methacrylonitrile	6.47	41	48448	19.518	ug/l #	77
42) 1,2-Dichloroethane	7.60	62	109252	20.675	ug/l	90
43) Isopropyl Acetate	9.25	43	48348	18.440	ug/l	91
44) Trichloroethene	8.55	130	74386	18.617	ug/l	85
45) 1,2-Dichloropropane	8.95	63	42117	17.319	ug/l	99
46) Dibromomethane	9.07	93	42442	19.253	ug/l	92
47) Bromodichloromethane	9.39	83	117937	21.031	ug/l	96
48) Methyl methacrylate	9.13	41	34522	19.566	ug/l #	77
49) 1,4-Dioxane	9.10	88	5309	335.462	ug/l #	86
51) 4-Methyl-2-Pentanone	10.31	43	175188	101.144	ug/l	90
52) Toluene	10.52	92	124384	18.207	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	90321	19.346	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	91519	18.786	ug/l #	74
55) 1,1,2-Trichloroethane	11.21	97	45235	19.537	ug/l	90
56) Ethyl methacrylate	11.06	69	45919	18.552	ug/l #	83
57) 1,3-Dichloropropane	11.42	76	64487	18.161	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.87	63	140034	110.180	ug/l #	88
59) 2-Hexanone	11.54	43	126010	100.101	ug/l	93
60) Dibromochloromethane	11.70	129	88025	19.794	ug/l	100
61) 1,2-Dibromoethane	11.82	107	52778	18.497	ug/l	99
64) Tetrachloroethene	11.27	164	71148	19.057	ug/l	95
65) Chlorobenzene	12.41	112	148182	17.282	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.53	131	76532	19.336	ug/l	94
67) Ethyl Benzene	12.54	91	275463	18.652	ug/l	94
68) m/p-Xylenes	12.67	106	195993	36.970	ug/l	94
69) o-Xylene	13.06	106	88986	17.790	ug/l	80
70) Styrene	13.08	104	151912	17.852	ug/l #	89
71) Bromoform	13.24	173	55792	21.225	ug/l #	96
73) Isopropylbenzene	13.41	105	284406	16.954	ug/l	96
74) N-amyl acetate	13.27	43	69800	16.847	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.71	83	47948	15.843	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	58552	18.678	ug/l	97
77) Bromobenzene	13.68	156	83937	17.638	ug/l	89
78) n-propylbenzene	13.79	91	351189	18.073	ug/l	100
79) 2-Chlorotoluene	13.84	91	198252	16.812	ug/l	89
80) 1,3,5-Trimethylbenzene	13.94	105	253056	17.422	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.48	75	15149	17.135	ug/l #	58
82) 4-Chlorotoluene	13.95	91	234492	17.267	ug/l	84
83) tert-Butylbenzene	14.20	119	281884	17.496	ug/l	91
84) 1,2,4-Trimethylbenzene	14.25	105	259564	17.440	ug/l	91
85) sec-Butylbenzene	14.38	105	294810	17.548	ug/l	100
86) p-Isopropyltoluene	14.49	119	273312	17.952	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	147075	17.501	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	151731	18.710	ug/l	94
89) n-Butylbenzene	14.81	91	257736	17.542	ug/l	98
90) Hexachloroethane	15.02	117	75271	17.890	ug/l	79
91) 1,2-Dichlorobenzene	14.82	146	133954	18.745	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	10660	18.557	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	93962	16.699	ug/l	98
94) Hexachlorobutadiene	16.04	225	69500	16.728	ug/l	99
95) Naphthalene	16.13	128	127806	16.623	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	72256	15.665	ug/l	98

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

