

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051719\
 Data File : VD062435.D
 Acq On : 17 May 2019 13:16
 Operator : FY/SY
 Sample : VD0517SBS01
 Misc : 5.00g/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0517SBS01

Quant Time: May 17 13:50:27 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	7.05	168	604042	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.22	114	848225	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.37	117	709653	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	373737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	243962	43.46	ug/l	0.04
Spiked Amount	50.000		Recovery	=	86.92%	
35) Dibromofluoromethane	6.93	113	292127	41.51	ug/l	0.04
Spiked Amount	50.000		Recovery	=	83.02%	
50) Toluene-d8	10.42	98	607414	35.80	ug/l	0.02
Spiked Amount	50.000		Recovery	=	71.60%	
62) 4-Bromofluorobenzene	13.56	95	275588	40.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	84282	14.589	ug/l	99
3) Chloromethane	1.76	50	58204	13.943	ug/l	92
4) Vinyl Chloride	1.84	62	61577	15.009	ug/l	94
5) Bromomethane	2.15	94	23082	24.011	ug/l	97
6) Chloroethane	2.26	64	28892	16.783	ug/l	97
7) Trichlorofluoromethane	2.52	101	153366	19.229	ug/l	94
8) Diethyl Ether	2.88	74	23491	15.271	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	104229	17.275	ug/l	95
10) Methyl Iodide	3.31	142	115421	12.657	ug/l	92
11) Tert butyl alcohol	4.09	59	24195	84.440	ug/l #	95
12) 1,1-Dichloroethene	3.12	96	68081	14.782	ug/l	88
13) Acrolein	3.04	56	17538	59.177	ug/l	90
14) Allyl chloride	3.62	41	111896	16.709	ug/l #	83
15) Acrylonitrile	4.20	53	62424	82.884	ug/l #	89
16) Acetone	3.22	43	119817	101.782	ug/l #	83
17) Carbon Disulfide	3.37	76	169173	12.769	ug/l	99
18) Methyl Acetate	3.65	43	38307	18.000	ug/l	92
19) Methyl tert-butyl Ether	4.24	73	186683	18.910	ug/l	92
20) Methylene Chloride	3.81	84	89077	18.123	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	81714	15.944	ug/l	92
22) Diisopropyl ether	5.13	45	251343	17.637	ug/l	98
23) Vinyl Acetate	5.06	43	728634	96.910	ug/l	99
24) 1,1-Dichloroethane	4.98	63	158519	18.439	ug/l	99
25) 2-Butanone	6.08	43	128330	99.942	ug/l	99
26) 2,2-Dichloropropane	6.03	77	176161	20.571	ug/l	96
27) cis-1,2-Dichloroethene	6.05	96	98851	17.231	ug/l	98
28) Bromochloromethane	6.44	49	78706	23.270	ug/l	85
29) Tetrahydrofuran	6.46	42	53464	90.367	ug/l	96
30) Chloroform	6.68	83	193460	18.673	ug/l	95
31) Cyclohexane	6.96	56	90879	15.430	ug/l	96
32) 1,1,1-Trichloroethane	6.87	97	190338	19.437	ug/l	97
36) 1,1-Dichloropropene	7.15	75	125348	18.024	ug/l	95
37) Ethyl Acetate	6.19	43	53909	18.278	ug/l #	90
38) Carbon Tetrachloride	7.12	117	182877	18.999	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	106573	15.994	ug/l	94
40) Benzene	7.46	78	259091	16.498	ug/l	99
41) Methacrylonitrile	6.46	41	68572	19.025	ug/l #	85
42) 1,2-Dichloroethane	7.58	62	132776	19.955	ug/l	91
43) Isopropyl Acetate	9.25	43	72967	17.444	ug/l	92
44) Trichloroethene	8.55	130	100727	16.832	ug/l	89
45) 1,2-Dichloropropane	8.94	63	66654	17.159	ug/l	99
46) Dibromomethane	9.07	93	56127	17.768	ug/l	96
47) Bromodichloromethane	9.38	83	150870	19.526	ug/l	98
48) Methyl methacrylate	9.13	41	50562	19.625	ug/l #	86
49) 1,4-Dioxane	9.09	88	9575	344.438	ug/l	89
51) 4-Methyl-2-Pentanone	10.31	43	261144	97.124	ug/l	91
52) Toluene	10.51	92	173140	16.945	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	119148	17.842	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	131309	18.024	ug/l #	84
55) 1,1,2-Trichloroethane	11.19	97	68191	18.862	ug/l	92
56) Ethyl methacrylate	11.05	69	71398	19.005	ug/l #	81
57) 1,3-Dichloropropane	11.41	76	103323	18.917	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.87	63	226166	110.210	ug/l	91
59) 2-Hexanone	11.54	43	199809	100.825	ug/l	90
60) Dibromochloromethane	11.70	129	120243	19.245	ug/l	98
61) 1,2-Dibromoethane	11.81	107	75522	17.182	ug/l	96
64) Tetrachloroethene	11.26	164	91807	16.544	ug/l	96
65) Chlorobenzene	12.40	112	249201	18.854	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.52	131	105800	18.392	ug/l	95
67) Ethyl Benzene	12.53	91	403494	18.234	ug/l	96
68) m/p-Xylenes	12.67	106	276657	34.364	ug/l	87
69) o-Xylene	13.05	106	128816	17.211	ug/l	75
70) Styrene	13.07	104	227030	17.906	ug/l	94
71) Bromoform	13.24	173	66698	16.665	ug/l #	99
73) Isopropylbenzene	13.41	105	445276	19.876	ug/l	96
74) N-amyl acetate	13.27	43	105366	17.939	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	72673	17.135	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	78284	17.625	ug/l	99
77) Bromobenzene	13.67	156	114135	18.199	ug/l	93
78) n-propylbenzene	13.78	91	490645	18.360	ug/l	97
79) 2-Chlorotoluene	13.84	91	252331	16.486	ug/l	86
80) 1,3,5-Trimethylbenzene	13.94	105	343996	18.234	ug/l	93
81) trans-1,4-Dichloro-2-buten	13.48	75	20692	16.502	ug/l #	76
82) 4-Chlorotoluene	13.95	91	350099	19.438	ug/l	84
83) tert-Butylbenzene	14.20	119	417568	19.693	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	367061	19.389	ug/l	93
85) sec-Butylbenzene	14.37	105	401614	17.275	ug/l	96
86) p-Isopropyltoluene	14.49	119	349554	16.829	ug/l	90
87) 1,3-Dichlorobenzene	14.46	146	206800	18.051	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	200771	17.836	ug/l	100
89) n-Butylbenzene	14.81	91	351004	18.827	ug/l	96
90) Hexachloroethane	15.01	117	102016	18.060	ug/l	87
91) 1,2-Dichlorobenzene	14.82	146	173613	18.401	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12466	17.906	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	143903	20.954	ug/l	97
94) Hexachlorobutadiene	16.05	225	102527	20.073	ug/l	99
95) Naphthalene	16.12	128	195114	20.351	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	116641	27.014	ug/l	97

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

