

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070119\
 Data File : VD062982.D
 Acq On : 1 Jul 2019 11:28
 Operator : VA/AP
 Sample : VD0701SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0701SBS01

Quant Time: Jul 02 07:33:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	724529	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.21	114	973822	50.00	ug/l	-0.01
63) Chlorobenzene-d5	12.36	117	766305	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	437455	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	436481	55.42	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.84%	
35) Dibromofluoromethane	6.91	113	439058	53.47	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.94%	
50) Toluene-d8	10.40	98	903783	50.57	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	101.14%	
62) 4-Bromofluorobenzene	13.55	95	426050	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	220903	23.561	ug/l	99
3) Chloromethane	1.75	50	162269	23.013	ug/l	100
4) Vinyl Chloride	1.84	62	152893	21.870	ug/l	96
5) Bromomethane	2.14	94	55126	16.837	ug/l	97
6) Chloroethane	2.24	64	73091	23.093	ug/l #	87
7) Trichlorofluoromethane	2.52	101	333208	23.551	ug/l	95
8) Diethyl Ether	2.85	74	41559	23.118	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.13	101	181430	23.670	ug/l #	84
10) Methyl Iodide	3.29	142	192826	19.068	ug/l	97
11) Tert butyl alcohol	4.07	59	40650	113.330	ug/l	95
12) 1,1-Dichloroethene	3.11	96	125310	21.793	ug/l	87
13) Acrolein	3.02	56	28472	77.754	ug/l	89
14) Allyl chloride	3.60	41	189868	22.347	ug/l	96
15) Acrylonitrile	4.18	53	94055	111.596	ug/l	96
16) Acetone	3.21	43	177401	107.079	ug/l	99
17) Carbon Disulfide	3.36	76	380361	20.697	ug/l	95
18) Methyl Acetate	3.62	43	69914	29.407	ug/l	97
19) Methyl tert-butyl Ether	4.22	73	289032	23.219	ug/l	99
20) Methylene Chloride	3.79	84	133556	22.236	ug/l #	89
21) trans-1,2-Dichloroethene	4.19	96	136457	22.288	ug/l	96
22) Diisopropyl ether	5.11	45	393364	22.766	ug/l	98
23) Vinyl Acetate	5.04	43	1134542	104.933	ug/l	100
24) 1,1-Dichloroethane	4.96	63	259408	23.059	ug/l	99
25) 2-Butanone	6.06	43	161469	109.622	ug/l	93
26) 2,2-Dichloropropane	6.01	77	289542	24.282	ug/l	98
27) cis-1,2-Dichloroethene	6.02	96	146492	22.626	ug/l	94
28) Bromochloromethane	6.42	49	88747	22.398	ug/l	96
29) Tetrahydrofuran	6.45	42	79704	114.367	ug/l	98
30) Chloroform	6.64	83	327600	23.945	ug/l	100
31) Cyclohexane	6.94	56	166526	22.517	ug/l	90
32) 1,1,1-Trichloroethane	6.85	97	333126	23.377	ug/l	93
36) 1,1-Dichloropropene	7.13	75	210292	22.812	ug/l	97
37) Ethyl Acetate	6.16	43	84462	21.176	ug/l	98
38) Carbon Tetrachloride	7.10	117	332923	24.013	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	165698	20.420	ug/l	97
40) Benzene	7.44	78	415194	22.437	ug/l	98
41) Methacrylonitrile	6.43	41	104309	21.456	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	231570	22.940	ug/l	98
43) Isopropyl Acetate	9.23	43	105398	21.808	ug/l #	94
44) Trichloroethene	8.52	130	162668	22.423	ug/l	94
45) 1,2-Dichloropropane	8.93	63	102153	22.201	ug/l	98
46) Dibromomethane	9.06	93	87044	22.022	ug/l	88
47) Bromodichloromethane	9.36	83	229360	22.343	ug/l	93
48) Methyl methacrylate	9.11	41	74904	21.809	ug/l	95
49) 1,4-Dioxane	9.08	88	12183	426.371	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	362899	105.907	ug/l	94
52) Toluene	10.50	92	268586	21.593	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	204079	24.290	ug/l	96
54) cis-1,3-Dichloropropene	10.03	75	199815	21.880	ug/l	96
55) 1,1,2-Trichloroethane	11.18	97	91975	21.522	ug/l	92
56) Ethyl methacrylate	11.03	69	97880	21.432	ug/l	89
57) 1,3-Dichloropropane	11.40	76	148703	22.726	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.84	63	271303	115.712	ug/l	94
59) 2-Hexanone	11.53	43	269712	110.521	ug/l	99
60) Dibromochloromethane	11.67	129	184509	23.180	ug/l	96
61) 1,2-Dibromoethane	11.80	107	112408	22.271	ug/l	99
64) Tetrachloroethene	11.25	164	146891	23.291	ug/l	94
65) Chlorobenzene	12.39	112	352400	24.779	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	171123	25.729	ug/l	95
67) Ethyl Benzene	12.51	91	647665	25.365	ug/l	97
68) m/p-Xylenes	12.66	106	445233	50.065	ug/l	98
69) o-Xylene	13.04	106	194413	23.914	ug/l	98
70) Styrene	13.06	104	327197	22.914	ug/l	95
71) Bromoform	13.23	173	112394	24.665	ug/l	97
73) Isopropylbenzene	13.40	105	668027	23.817	ug/l	99
74) N-amyl acetate	13.26	43	164317	24.123	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	107948	23.621	ug/l	84
76) 1,2,3-Trichloropropane	13.73	75	114790	22.730	ug/l	90
77) Bromobenzene	13.66	156	180844	23.971	ug/l	88
78) n-propylbenzene	13.77	91	719697	22.045	ug/l	95
79) 2-Chlorotoluene	13.84	91	446728	23.945	ug/l	92
80) 1,3,5-Trimethylbenzene	13.93	105	570527	24.216	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	29774	22.495	ug/l	92
82) 4-Chlorotoluene	13.94	91	543892	24.215	ug/l	88
83) tert-Butylbenzene	14.18	119	616934	23.492	ug/l	92
84) 1,2,4-Trimethylbenzene	14.23	105	555328	22.997	ug/l	96
85) sec-Butylbenzene	14.36	105	615524	21.565	ug/l	95
86) p-Isopropyltoluene	14.49	119	641148	24.554	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	329811	24.388	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	315065	23.195	ug/l	96
89) n-Butylbenzene	14.80	91	550650	22.531	ug/l	95
90) Hexachloroethane	15.00	117	152812	21.766	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	273757	23.660	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	19310	21.648	ug/l #	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	215356	23.826	ug/l	92
94) Hexachlorobutadiene	16.04	225	152698	22.114	ug/l	95
95) Naphthalene	16.12	128	304742	24.055	ug/l	97
96) 1,2,3-Trichlorobenzene	16.26	180	169172	24.360	ug/l	96

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

