

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062951.D
 Acq On : 28 Jun 2019 2:55
 Operator : VA/AP
 Sample : VD0627SBS03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS03

Quant Time: Jun 28 05:24:09 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	7.02	168	747448	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	1154846	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.35	117	985537	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	14.50	152	556709	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.42	65	459549	56.56	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	113.12%	
35) Dibromofluoromethane	6.89	113	465210	47.77	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	10.39	98	939173	44.31	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	88.62%	
62) 4-Bromofluorobenzene	13.54	95	448242	46.51	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.56	85	203421	21.031	ug/l	97
3) Chloromethane	1.74	50	149636	20.571	ug/l	98
4) Vinyl Chloride	1.83	62	144752	20.070	ug/l	95
5) Bromomethane	2.13	94	54429	16.115	ug/l	98
6) Chloroethane	2.25	64	65549	20.075	ug/l	96
7) Trichlorofluoromethane	2.51	101	290322	19.890	ug/l	99
8) Diethyl Ether	2.86	74	46711	25.187	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.12	101	153425	19.402	ug/l	89
10) Methyl Iodide	3.28	142	206392	19.784	ug/l	95
11) Tert butyl alcohol	4.07	59	48378	130.739	ug/l #	95
12) 1,1-Dichloroethene	3.10	96	117360	19.784	ug/l	94
13) Acrolein	3.01	56	27937	73.954	ug/l	91
14) Allyl chloride	3.59	41	189880	21.663	ug/l	94
15) Acrylonitrile	4.18	53	114987	132.248	ug/l #	90
16) Acetone	3.20	43	176213	102.833	ug/l #	90
17) Carbon Disulfide	3.35	76	355988	18.777	ug/l	97
18) Methyl Acetate	3.62	43	103284	42.112	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	319955	24.915	ug/l	97
20) Methylene Chloride	3.78	84	155633	25.117	ug/l	99
21) trans-1,2-Dichloroethene	4.18	96	136747	21.650	ug/l	95
22) Diisopropyl ether	5.09	45	422970	23.729	ug/l	97
23) Vinyl Acetate	5.02	43	1209801	108.463	ug/l	99
24) 1,1-Dichloroethane	4.95	63	257214	22.163	ug/l	98
25) 2-Butanone	6.05	43	181649	119.541	ug/l #	89
26) 2,2-Dichloropropane	6.00	77	218903	17.795	ug/l	95
27) cis-1,2-Dichloroethene	6.01	96	155349	23.258	ug/l	98
28) Bromochloromethane	6.41	49	101611	24.859	ug/l	82
29) Tetrahydrofuran	6.43	42	101027	140.518	ug/l	98
30) Chloroform	6.64	83	329001	23.310	ug/l	95
31) Cyclohexane	6.92	56	148415	19.453	ug/l	99
32) 1,1,1-Trichloroethane	6.84	97	314972	21.425	ug/l	92
36) 1,1-Dichloropropene	7.12	75	201060	18.391	ug/l	97
37) Ethyl Acetate	6.14	43	98003	20.695	ug/l #	95
38) Carbon Tetrachloride	7.08	117	289187	17.589	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	174001	18.082	ug/l	94
40) Benzene	7.42	78	440412	20.069	ug/l	98
41) Methacrylonitrile	6.42	41	129902	22.532	ug/l #	93
42) 1,2-Dichloroethane	7.55	62	254067	21.223	ug/l	100
43) Isopropyl Acetate	9.22	43	135723	23.681	ug/l #	97
44) Trichloroethene	8.52	130	167901	19.516	ug/l	97
45) 1,2-Dichloropropane	8.91	63	111710	20.472	ug/l	93
46) Dibromomethane	9.04	93	94562	20.174	ug/l	94
47) Bromodichloromethane	9.35	83	253149	20.795	ug/l	99
48) Methyl methacrylate	9.10	41	89998	22.097	ug/l	99
49) 1,4-Dioxane	9.07	88	15553	458.990	ug/l	93
51) 4-Methyl-2-Pentanone	10.28	43	460184	113.247	ug/l	99
52) Toluene	10.49	92	302257	20.491	ug/l	99
53) t-1,3-Dichloropropene	10.89	75	196377	19.709	ug/l	98
54) cis-1,3-Dichloropropene	10.01	75	223909	20.675	ug/l	96
55) 1,1,2-Trichloroethane	11.16	97	111957	22.091	ug/l	97
56) Ethyl methacrylate	11.02	69	115174	21.265	ug/l	94
57) 1,3-Dichloropropane	11.38	76	162373	20.925	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.84	63	310224	111.572	ug/l	98
59) 2-Hexanone	11.51	43	306611	105.947	ug/l	95
60) Dibromochloromethane	11.67	129	189525	20.077	ug/l	93
61) 1,2-Dibromoethane	11.78	107	134116	22.407	ug/l	88
64) Tetrachloroethene	11.23	164	174850	21.557	ug/l	90
65) Chlorobenzene	12.39	112	374818	20.492	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.49	131	176234	20.603	ug/l	97
67) Ethyl Benzene	12.50	91	618628	18.838	ug/l	99
68) m/p-Xylenes	12.65	106	427691	37.394	ug/l	97
69) o-Xylene	13.03	106	211928	20.270	ug/l	99
70) Styrene	13.05	104	384774	20.952	ug/l	96
71) Bromoform	13.22	173	128869	21.989	ug/l	91
73) Isopropylbenzene	13.39	105	653008	18.294	ug/l	100
74) N-amyl acetate	13.25	43	170723	19.695	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.68	83	120178	20.664	ug/l	89
76) 1,2,3-Trichloropropane	13.72	75	140256	21.824	ug/l	97
77) Bromobenzene	13.66	156	191782	19.975	ug/l	93
78) n-propylbenzene	13.76	91	757721	18.238	ug/l	96
79) 2-Chlorotoluene	13.82	91	444410	18.718	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	548796	18.304	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	30444	18.074	ug/l	89
82) 4-Chlorotoluene	13.93	91	523678	18.321	ug/l	96
83) tert-Butylbenzene	14.18	119	614965	18.401	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	553078	17.998	ug/l	100
85) sec-Butylbenzene	14.35	105	657622	18.105	ug/l	97
86) p-Isopropyltoluene	14.48	119	615650	18.527	ug/l	97
87) 1,3-Dichlorobenzene	14.44	146	334323	19.426	ug/l	99
88) 1,4-Dichlorobenzene	14.52	146	350059	20.251	ug/l	97
89) n-Butylbenzene	14.79	91	453378	14.577	ug/l	98
90) Hexachloroethane	14.99	117	157646	17.645	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	264010	17.930	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	24922	21.955	ug/l	70

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	212712	18.493	µg/l	96
94) Hexachlorobutadiene	16.03	225	143468	16.327	µg/l	96
95) Naphthalene	16.12	128	337478	20.933	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	179455	20.305	µg/l	92

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

