

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062719\
 Data File : VD062928.D
 Acq On : 27 Jun 2019 13:42
 Operator : VA/AP
 Sample : VD0627SBS02
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0627SBS02

Quant Time: Jun 28 02:20:08 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	840377	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.19	114	1181977	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	1000099	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	542543	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.42	65	441580	48.34	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	96.68%	
35) Dibromofluoromethane	6.89	113	468609	47.02	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	94.04%	
50) Toluene-d8	10.39	98	1049448	48.38	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	13.54	95	453937	46.02	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	92.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	246951	22.709	ug/l	98
3) Chloromethane	1.73	50	162092	19.819	ug/l	100
4) Vinyl Chloride	1.83	62	156728	19.328	ug/l	99
5) Bromomethane	2.13	94	68651	18.078	ug/l #	97
6) Chloroethane	2.24	64	68472	18.651	ug/l #	83
7) Trichlorofluoromethane	2.50	101	344048	20.965	ug/l	97
8) Diethyl Ether	2.86	74	50550	24.243	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.11	101	166019	18.673	ug/l	91
10) Methyl Iodide	3.27	142	212536	18.120	ug/l	90
11) Tert butyl alcohol	4.07	59	51471	123.716	ug/l #	87
12) 1,1-Dichloroethene	3.09	96	129911	19.478	ug/l	87
13) Acrolein	3.00	56	35999	84.758	ug/l	94
14) Allyl chloride	3.59	41	209704	21.279	ug/l	93
15) Acrylonitrile	4.17	53	120106	122.860	ug/l	92
16) Acetone	3.20	43	197262	102.356	ug/l	95
17) Carbon Disulfide	3.35	76	435513	20.432	ug/l	99
18) Methyl Acetate	3.62	43	90295	32.745	ug/l	92
19) Methyl tert-butyl Ether	4.21	73	353581	24.489	ug/l	95
20) Methylene Chloride	3.78	84	169771	24.369	ug/l	92
21) trans-1,2-Dichloroethene	4.19	96	160181	22.556	ug/l	86
22) Diisopropyl ether	5.08	45	450262	22.466	ug/l	95
23) Vinyl Acetate	5.02	43	1407595	112.241	ug/l	99
24) 1,1-Dichloroethane	4.94	63	283409	21.720	ug/l	98
25) 2-Butanone	6.04	43	208667	122.136	ug/l	98
26) 2,2-Dichloropropane	5.99	77	291539	21.079	ug/l	97
27) cis-1,2-Dichloroethene	6.01	96	166749	22.204	ug/l	95
28) Bromochloromethane	6.41	49	113022	24.593	ug/l	92
29) Tetrahydrofuran	6.44	42	96923	119.903	ug/l	95
30) Chloroform	6.64	83	362456	22.840	ug/l	97
31) Cyclohexane	6.92	56	186488	21.740	ug/l	96
32) 1,1,1-Trichloroethane	6.83	97	354048	21.420	ug/l	97
36) 1,1-Dichloropropene	7.12	75	229954	20.552	ug/l	96
37) Ethyl Acetate	6.15	43	118671	24.691	ug/l	98
38) Carbon Tetrachloride	7.08	117	320214	19.029	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	197294	20.032	ug/l	99
40) Benzene	7.42	78	463951	20.657	ug/l	98
41) Methacrylonitrile	6.42	41	135983	23.045	ug/l #	97
42) 1,2-Dichloroethane	7.55	62	275859	22.515	ug/l	100
43) Isopropyl Acetate	9.22	43	148461	25.309	ug/l #	99
44) Trichloroethene	8.52	130	182125	20.684	ug/l	94
45) 1,2-Dichloropropane	8.91	63	116278	20.820	ug/l	97
46) Dibromomethane	9.04	93	103817	21.640	ug/l	94
47) Bromodichloromethane	9.35	83	264713	21.246	ug/l	97
48) Methyl methacrylate	9.10	41	92856	22.275	ug/l	95
49) 1,4-Dioxane	9.07	88	17469	503.701	ug/l #	92
51) 4-Methyl-2-Pentanone	10.28	43	475836	114.411	ug/l	97
52) Toluene	10.49	92	324873	21.518	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	217800	21.357	ug/l	97
54) cis-1,3-Dichloropropene	10.01	75	217792	19.649	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	117268	22.608	ug/l	91
56) Ethyl methacrylate	11.02	69	123470	22.274	ug/l	94
57) 1,3-Dichloropropane	11.38	76	178468	22.471	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.84	63	330406	116.102	ug/l	98
59) 2-Hexanone	11.51	43	359523	121.379	ug/l	95
60) Dibromochloromethane	11.67	129	212415	21.986	ug/l	98
61) 1,2-Dibromoethane	11.79	107	134356	21.932	ug/l	100
64) Tetrachloroethene	11.23	164	170467	20.710	ug/l	98
65) Chlorobenzene	12.39	112	398434	21.466	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.49	131	191227	22.031	ug/l	93
67) Ethyl Benzene	12.50	91	710809	21.330	ug/l	100
68) m/p-Xylenes	12.65	106	508093	43.777	ug/l	98
69) o-Xylene	13.04	106	240342	22.652	ug/l	97
70) Styrene	13.06	104	399283	21.425	ug/l	96
71) Bromoform	13.22	173	134321	22.586	ug/l	89
73) Isopropylbenzene	13.39	105	714813	20.548	ug/l	100
74) N-amyl acetate	13.25	43	195396	23.130	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.69	83	127887	22.563	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	146706	23.423	ug/l	95
77) Bromobenzene	13.66	156	194051	20.739	ug/l	94
78) n-propylbenzene	13.76	91	853134	21.071	ug/l	99
79) 2-Chlorotoluene	13.82	91	510210	22.050	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	646439	22.123	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	40141	24.454	ug/l	91
82) 4-Chlorotoluene	13.93	91	633750	22.750	ug/l	93
83) tert-Butylbenzene	14.18	119	672813	20.658	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	643072	21.472	ug/l	100
85) sec-Butylbenzene	14.35	105	727942	20.564	ug/l	94
86) p-Isopropyltoluene	14.48	119	714792	22.072	ug/l	95
87) 1,3-Dichlorobenzene	14.44	146	352301	21.005	ug/l	92
88) 1,4-Dichlorobenzene	14.52	146	365852	21.717	ug/l	96
89) n-Butylbenzene	14.79	91	598356	19.741	ug/l	99
90) Hexachloroethane	14.99	117	185612	21.317	ug/l	81
91) 1,2-Dichlorobenzene	14.80	146	309096	21.540	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	22792	20.603	ug/l	65

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	236843	21.128	ug/l	90
94) Hexachlorobutadiene	16.03	225	174072	20.326	ug/l	98
95) Naphthalene	16.12	128	340913	21.698	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	198057	22.995	ug/l	99

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

