

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073019\
 Data File : VD063257.D
 Acq On : 31 Jul 2019 00:11
 Operator : VA/AP
 Sample : VD0730SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0730SBS02

Quant Time: Jul 31 01:41:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072919S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 30 03:04:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	912338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1230707	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1080143	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	585930	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	537151	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.12%		
35) Dibromofluoromethane	6.91	113	565580	53.83	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.66%		
50) Toluene-d8	10.40	98	1264564	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.54%		
62) 4-Bromofluorobenzene	13.55	95	531659	49.61	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.22%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	226172	20.281	ug/l	94
3) Chloromethane	1.73	50	187589	21.650	ug/l #	89
4) Vinyl Chloride	1.83	62	167532	18.677	ug/l	98
5) Bromomethane	2.13	94	78551	17.364	ug/l	98
6) Chloroethane	2.24	64	80817	19.515	ug/l	93
7) Trichlorofluoromethane	2.51	101	326810	18.781	ug/l	98
8) Diethyl Ether	2.86	74	53158	21.828	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.12	101	201935	20.949	ug/l	90
10) Methyl Iodide	3.28	142	256198	18.398	ug/l	97
11) Tert butyl alcohol	4.07	59	46840	105.434	ug/l	97
12) 1,1-Dichloroethene	3.10	96	141047	19.932	ug/l	97
13) Acrolein	3.01	56	45362	106.096	ug/l	89
14) Allyl chloride	3.60	41	231694	20.553	ug/l	91
15) Acrylonitrile	4.18	53	130774	113.541	ug/l	98
16) Acetone	3.21	43	194755	98.740	ug/l	96
17) Carbon Disulfide	3.35	76	459865	19.415	ug/l	100
18) Methyl Acetate	3.62	43	96544	25.482	ug/l	94
19) Methyl tert-butyl Ether	4.23	73	353985	22.145	ug/l	93
20) Methylene Chloride	3.79	84	163725	20.536	ug/l	95
21) trans-1,2-Dichloroethene	4.20	96	158248	19.930	ug/l	95
22) Diisopropyl ether	5.10	45	505837	22.459	ug/l	97
23) Vinyl Acetate	5.03	43	1542465	111.414	ug/l	100
24) 1,1-Dichloroethane	4.95	63	302190	21.006	ug/l	95
25) 2-Butanone	6.06	43	217475	109.865	ug/l	91
26) 2,2-Dichloropropane	6.01	77	270029	18.214	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	182813	21.475	ug/l	85
28) Bromochloromethane	6.42	49	130233	22.721	ug/l #	99
29) Tetrahydrofuran	6.44	42	111341	118.804	ug/l	97
30) Chloroform	6.65	83	394512	22.097	ug/l	94
31) Cyclohexane	6.94	56	162249	17.993	ug/l	87
32) 1,1,1-Trichloroethane	6.85	97	347489	20.122	ug/l	95
36) 1,1-Dichloropropene	7.13	75	223286	19.880	ug/l	94
37) Ethyl Acetate	6.16	43	110593	21.917	ug/l #	92
38) Carbon Tetrachloride	7.09	117	333043	19.696	ug/l	95

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39) Methylcyclohexane	8.85	83	177315	18.948	ug/l	95
40) Benzene	7.43	78	492271	20.912	ug/l	95
41) Methacrylonitrile	6.44	41	145407	24.090	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	270519	21.684	ug/l	99
43) Isopropyl Acetate	9.23	43	133671	20.738	ug/l #	99
44) Trichloroethene	8.53	130	199270	20.891	ug/l	88
45) 1,2-Dichloropropane	8.92	63	133094	22.245	ug/l	100
46) Dibromomethane	9.05	93	113006	22.715	ug/l #	81
47) Bromodichloromethane	9.36	83	294204	23.199	ug/l	97
48) Methyl methacrylate	9.11	41	100083	23.941	ug/l #	83
49) 1,4-Dioxane	9.09	88	17950	504.838	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	493398	112.555	ug/l	96
52) Toluene	10.50	92	328221	20.964	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	236141	21.598	ug/l	100
54) cis-1,3-Dichloropropene	10.02	75	257497	22.409	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	133106	25.173	ug/l #	86
56) Ethyl methacrylate	11.03	69	124128	21.438	ug/l	95
57) 1,3-Dichloropropane	11.39	76	173304	20.802	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.85	63	346150	114.892	ug/l	94
59) 2-Hexanone	11.52	43	352896	111.711	ug/l	90
60) Dibromochloromethane	11.68	129	211493	21.187	ug/l	98
61) 1,2-Dibromoethane	11.80	107	149498	22.913	ug/l	94
64) Tetrachloroethene	11.24	164	183595	21.336	ug/l	98
65) Chlorobenzene	12.39	112	433717	20.876	ug/l	95
66) 1,1,1,2-Tetrachloroethane	12.50	131	200192	21.875	ug/l	97
67) Ethyl Benzene	12.51	91	756554	21.436	ug/l	97
68) m/p-Xylenes	12.66	106	544583	42.074	ug/l	93
69) o-Xylene	13.05	106	252660	21.257	ug/l	95
70) Styrene	13.07	104	445819	21.150	ug/l	96
71) Bromoform	13.22	173	134940	20.276	ug/l #	96
73) Isopropylbenzene	13.40	105	758645	20.630	ug/l	97
74) N-amyl acetate	13.26	43	194770	20.034	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	142021	22.735	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	141323	20.081	ug/l	98
77) Bromobenzene	13.67	156	207172	19.776	ug/l	85
78) n-propylbenzene	13.76	91	802966	18.348	ug/l	96
79) 2-Chlorotoluene	13.83	91	536204	21.146	ug/l	93
80) 1,3,5-Trimethylbenzene	13.92	105	642029	20.242	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	38625	19.765	ug/l	85
82) 4-Chlorotoluene	13.94	91	600555	20.124	ug/l	99
83) tert-Butylbenzene	14.19	119	708421	19.561	ug/l	93
84) 1,2,4-Trimethylbenzene	14.23	105	663407	20.221	ug/l	100
85) sec-Butylbenzene	14.36	105	761310	19.952	ug/l	99
86) p-Isopropyltoluene	14.48	119	692175	19.006	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	375203	20.224	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	399716	21.306	ug/l	96
89) n-Butylbenzene	14.79	91	610898	19.422	ug/l	97
90) Hexachloroethane	15.00	117	173238	18.258	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	334528	20.696	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	27549	21.651	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	248818	19.404	µg/l	100
94) Hexachlorobutadiene	16.03	225	179424	19.308	µg/l	98
95) Naphthalene	16.12	128	396291	21.865	µg/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	213759	21.101	µg/l	98

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

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