

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD071919\
 Data File : VD063148.D
 Acq On : 19 Jul 2019 12:32
 Operator : VA/AP
 Sample : VD0719SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0719SBS01

Quant Time: Jul 20 04:59:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 08:11:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	673837	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	979336	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	788610	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	488349	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	404922	48.24	ug/l	0.00
Spiked Amount			Recovery	=	96.48%	
35) Dibromofluoromethane	6.93	113	435664	44.66	ug/l	0.01
Spiked Amount			Recovery	=	89.32%	
50) Toluene-d8	10.41	98	855665	40.84	ug/l	0.01
Spiked Amount			Recovery	=	81.68%	
62) 4-Bromofluorobenzene	13.56	95	411233	42.42	ug/l	0.01
Spiked Amount			Recovery	=	84.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.56	85	187653	24.827	ug/l	98
3) Chloromethane	1.74	50	154678	23.565	ug/l	91
4) Vinyl Chloride	1.84	62	154817	21.527	ug/l	97
5) Bromomethane	2.13	94	52416	16.950	ug/l #	90
6) Chloroethane	2.24	64	69613	20.838	ug/l	96
7) Trichlorofluoromethane	2.52	101	284067	19.512	ug/l	99
8) Diethyl Ether	2.86	74	43125	21.058	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.13	101	171604	20.442	ug/l	91
10) Methyl Iodide	3.29	142	208425	20.224	ug/l	98
11) Tert butyl alcohol	4.07	59	62258	128.520	ug/l	96
12) 1,1-Dichloroethene	3.11	96	128922	21.627	ug/l	89
13) Acrolein	3.02	56	18493	126.485	ug/l	87
14) Allyl chloride	3.60	41	214776	22.924	ug/l	99
15) Acrylonitrile	4.18	53	133079	124.277	ug/l	90
16) Acetone	3.22	43	233835	115.339	ug/l	100
17) Carbon Disulfide	3.36	76	376001	22.036	ug/l	99
18) Methyl Acetate	3.63	43	109936	39.728	ug/l #	91
19) Methyl tert-butyl Ether	4.23	73	350843	23.315	ug/l #	92
20) Methylene Chloride	3.80	84	155271	20.272	ug/l	94
21) trans-1,2-Dichloroethene	4.20	96	152723	23.078	ug/l	91
22) Diisopropyl ether	5.12	45	472267	23.185	ug/l	98
23) Vinyl Acetate	5.05	43	1331030	112.002	ug/l	98
24) 1,1-Dichloroethane	4.97	63	277008	22.077	ug/l	99
25) 2-Butanone	6.07	43	223215	115.298	ug/l #	91
26) 2,2-Dichloropropane	6.01	77	289609	20.855	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	170340	22.628	ug/l	97
28) Bromochloromethane	6.43	49	105137	23.096	ug/l	93
29) Tetrahydrofuran	6.46	42	104831	119.453	ug/l	97
30) Chloroform	6.66	83	341024	22.068	ug/l	97
31) Cyclohexane	6.95	56	165036	20.653	ug/l #	85
32) 1,1,1-Trichloroethane	6.87	97	335330	22.006	ug/l	96
36) 1,1-Dichloropropene	7.15	75	212779	19.318	ug/l	96
37) Ethyl Acetate	6.18	43	106743	22.644	ug/l	99
38) Carbon Tetrachloride	7.11	117	309792	18.510	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	172426	18.107	ug/l	97
40) Benzene	7.45	78	473888	20.542	ug/l	93
41) Methacrylonitrile	6.45	41	141331	22.114	ug/l #	88
42) 1,2-Dichloroethane	7.58	62	244723	19.912	ug/l	98
43) Isopropyl Acetate	9.24	43	154144	22.814	ug/l #	95
44) Trichloroethene	8.54	130	189561	21.263	ug/l	91
45) 1,2-Dichloropropane	8.95	63	115094	20.011	ug/l	95
46) Dibromomethane	9.06	93	99524	20.137	ug/l	93
47) Bromodichloromethane	9.38	83	259970	20.157	ug/l #	86
48) Methyl methacrylate	9.12	41	98262	22.146	ug/l	95
49) 1,4-Dioxane	9.09	88	18229	476.373	ug/l #	82
51) 4-Methyl-2-Pentanone	10.31	43	506813	113.093	ug/l	94
52) Toluene	10.51	92	302537	19.639	ug/l	96
53) t-1,3-Dichloropropene	10.92	75	227896	20.624	ug/l	96
54) cis-1,3-Dichloropropene	10.04	75	221285	19.368	ug/l	100
55) 1,1,2-Trichloroethane	11.19	97	113693	21.357	ug/l	89
56) Ethyl methacrylate	11.04	69	132150	22.217	ug/l	96
57) 1,3-Dichloropropane	11.42	76	165384	20.416	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	346498	104.622	ug/l	99
59) 2-Hexanone	11.54	43	395230	114.358	ug/l	100
60) Dibromochloromethane	11.69	129	204415	20.032	ug/l	94
61) 1,2-Dibromoethane	11.81	107	140319	22.020	ug/l	99
64) Tetrachloroethene	11.26	164	157089	20.529	ug/l	95
65) Chlorobenzene	12.40	112	382812	20.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	180281	20.976	ug/l	98
67) Ethyl Benzene	12.53	91	670920	20.829	ug/l	98
68) m/p-Xylenes	12.68	106	469749	40.718	ug/l	97
69) o-Xylene	13.05	106	221483	20.247	ug/l	96
70) Styrene	13.08	104	400703	20.926	ug/l	96
71) Bromoform	13.24	173	136892	22.750	ug/l #	97
73) Isopropylbenzene	13.41	105	723139	19.174	ug/l	97
74) N-amyl acetate	13.27	43	203424	19.341	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	133435	19.446	ug/l	95
76) 1,2,3-Trichloropropane	13.74	75	154372	20.549	ug/l	99
77) Bromobenzene	13.67	156	193140	18.059	ug/l	77
78) n-propylbenzene	13.78	91	813374	18.741	ug/l	99
79) 2-Chlorotoluene	13.85	91	475180	18.108	ug/l	97
80) 1,3,5-Trimethylbenzene	13.94	105	583400	17.749	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	37106	18.757	ug/l #	93
82) 4-Chlorotoluene	13.95	91	558117	18.214	ug/l	92
83) tert-Butylbenzene	14.19	119	687200	18.490	ug/l	92
84) 1,2,4-Trimethylbenzene	14.24	105	607924	18.552	ug/l	97
85) sec-Butylbenzene	14.37	105	693935	17.573	ug/l	95
86) p-Isopropyltoluene	14.50	119	688777	18.698	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	358653	18.778	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	371094	20.267	ug/l	96
89) n-Butylbenzene	14.80	91	593325	17.475	ug/l	99
90) Hexachloroethane	15.01	117	165383	16.794	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	317751	18.683	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	25553	19.428	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	247584	19.376	ug/l	98
94) Hexachlorobutadiene	16.04	225	169315	17.978	ug/l	97
95) Naphthalene	16.13	128	364620	19.508	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	196275	19.095	ug/l	98

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

