

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065340.D
 Acq On : 27 Feb 2020 11:23
 Operator : VA/SY
 Sample : VD0227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:08 AM

Quant Time: Feb 28 01:04:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	476168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	696489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	200118	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.92	113	212177	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
50) Toluene-d8	10.34	98	829082	51.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	263402	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	70205	17.579	ug/l	98
3) Chloromethane	2.21	50	91261	17.953	ug/l	94
4) Vinyl Chloride	2.36	62	94223	18.228	ug/l	97
5) Bromomethane	2.77	94	60997	19.517	ug/l	99
6) Chloroethane	2.93	64	59308	18.797	ug/l	98
7) Trichlorofluoromethane	3.27	101	143462	19.385	ug/l	92
8) Diethyl Ether	3.71	74	44726	20.022	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94290	20.176	ug/l	99
10) Methyl Iodide	4.30	142	94218	19.417	ug/l	98
11) Tert butyl alcohol	5.24	59	31568	123.325	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	86171	19.519	ug/l	99
13) Acrolein	3.93	56	34337	90.893	ug/l	98
14) Allyl chloride	4.71	41	135910	18.957	ug/l	98
15) Acrylonitrile	5.44	53	98384	99.476	ug/l	97
16) Acetone	4.16	43	91629	87.505	ug/l	96
17) Carbon Disulfide	4.40	76	275242	18.596	ug/l	100
18) Methyl Acetate	4.72	43	50656	21.509	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	172418	18.728	ug/l	99
20) Methylene Chloride	4.97	84	105652	19.889	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	98909	19.708	ug/l	98
22) Diisopropyl ether	6.37	45	274797	19.883	ug/l	100
23) Vinyl Acetate	6.31	43	700078	91.883	ug/l	99
24) 1,1-Dichloroethane	6.27	63	168492	19.655	ug/l	99
25) 2-Butanone	7.23	43	118114	89.153	ug/l	95
26) 2,2-Dichloropropane	7.21	77	149495	20.100	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103369	19.444	ug/l	99
28) Bromochloromethane	7.55	49	58731	18.467	ug/l	99
29) Tetrahydrofuran	7.57	42	74116	95.478	ug/l	98
30) Chloroform	7.71	83	173838	20.128	ug/l	96
31) Cyclohexane	7.98	56	161919	19.224	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	156115	20.203	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137896	20.348	ug/l	99
37) Ethyl Acetate	7.30	43	52525	18.540	ug/l	96
38) Carbon Tetrachloride	8.10	117	141080	20.450	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159314	19.996	ug/l	99
40) Benzene	8.36	78	386296	20.195	ug/l	98
41) Methacrylonitrile	7.53	41	30623	18.721	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	104427	19.858	ug/l	100
43) Isopropyl Acetate	8.46	43	97449	18.915	ug/l	98
44) Trichloroethene	9.11	130	109681	20.685	ug/l	95
45) 1,2-Dichloropropane	9.39	63	95475	20.073	ug/l	93
46) Dibromomethane	9.48	93	50204	20.514	ug/l	99
47) Bromodichloromethane	9.67	83	128688	19.953	ug/l	97
48) Methyl methacrylate	9.46	41	50422	21.174	ug/l	97
49) 1,4-Dioxane	9.47	88	10973	382.296	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	255457	97.627	ug/l	99
52) Toluene	10.41	92	256185	21.637	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118924	19.893	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	142790	19.780	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	71200	20.670	ug/l	99
56) Ethyl methacrylate	10.67	69	78490	19.742	ug/l	97
57) 1,3-Dichloropropane	10.95	76	122572	20.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	120100	95.816	ug/l	97
59) 2-Hexanone	10.99	43	178046	95.053	ug/l	99
60) Dibromochloromethane	11.15	129	89884	20.388	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69051	21.172	ug/l	97
64) Tetrachloroethene	10.88	164	96870	21.307	ug/l	96
65) Chlorobenzene	11.67	112	266419	20.710	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	97040	20.214	ug/l	99
67) Ethyl Benzene	11.75	91	450683	20.004	ug/l	99
68) m/p-Xylenes	11.86	106	361593	41.949	ug/l	99
69) o-Xylene	12.19	106	154751	20.264	ug/l	100
70) Styrene	12.20	104	281831	20.786	ug/l	99
71) Bromoform	12.37	173	53886	20.229	ug/l #	99
73) Isopropylbenzene	12.48	105	431954	20.319	ug/l	100
74) N-amyl acetate	12.30	43	85937	18.192	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	75880	19.777	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	50811m	18.598	ug/l	
77) Bromobenzene	12.77	156	106748	20.221	ug/l	99
78) n-propylbenzene	12.83	91	530126	20.751	ug/l	99
79) 2-Chlorotoluene	12.91	91	287852	20.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	360971	20.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22838	18.049	ug/l	97
82) 4-Chlorotoluene	13.01	91	311653	20.512	ug/l	100
83) tert-Butylbenzene	13.23	119	294360	20.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	362562	20.688	ug/l	100
85) sec-Butylbenzene	13.41	105	432433	20.450	ug/l	100
86) p-Isopropyltoluene	13.53	119	403266	20.854	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	207012	20.285	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	206389	20.491	ug/l	99
89) n-Butylbenzene	13.86	91	365809	20.528	ug/l	99
90) Hexachloroethane	14.13	117	79238	20.180	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	175088	19.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11668	19.734	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115841	20.210	ug/l	95
94) Hexachlorobutadiene	15.28	225	75723	20.595	ug/l	100
95) Naphthalene	15.41	128	178733	19.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103739	20.723	ug/l	99

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

