

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030920\
 Data File : VD065443.D
 Acq On : 09 Mar 2020 11:59
 Operator : VA/SY
 Sample : VD0309SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0309SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/10/2020 3:34:26 PM

Quant Time: Mar 10 13:54:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	489876	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	719033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	648518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321787	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207825	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.92	113	227378	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	10.34	98	879653	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.64	95	280775	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	95526	22.689	ug/l	97
3) Chloromethane	2.21	50	107157	21.082	ug/l	97
4) Vinyl Chloride	2.35	62	108220	21.586	ug/l	95
5) Bromomethane	2.77	94	66993	21.079	ug/l	97
6) Chloroethane	2.92	64	64910	21.139	ug/l	98
7) Trichlorofluoromethane	3.27	101	155418	21.038	ug/l	99
8) Diethyl Ether	3.70	74	43022	19.583	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	101988	21.436	ug/l	99
10) Methyl Iodide	4.29	142	95234	19.267	ug/l	99
11) Tert butyl alcohol	5.23	59	27193	112.818	ug/l #	91
12) 1,1-Dichloroethene	4.06	96	94579	20.760	ug/l	94
13) Acrolein	3.92	56	33986	81.758	ug/l	97
14) Allyl chloride	4.71	41	135394	19.346	ug/l	99
15) Acrylonitrile	5.43	53	87530	91.584	ug/l	99
16) Acetone	4.16	43	74200	87.310	ug/l	95
17) Carbon Disulfide	4.40	76	314453	20.726	ug/l	99
18) Methyl Acetate	4.73	43	40241	18.667	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	164279	18.751	ug/l	93
20) Methylene Chloride	4.97	84	106745	21.134	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	105105	20.739	ug/l	100
22) Diisopropyl ether	6.37	45	268565	20.643	ug/l	99
23) Vinyl Acetate	6.31	43	678167	93.879	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173025	20.734	ug/l	97
25) 2-Butanone	7.22	43	102829	88.665	ug/l	98
26) 2,2-Dichloropropane	7.21	77	152922	20.970	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	105681	20.401	ug/l	99
28) Bromochloromethane	7.55	49	67930	20.346	ug/l	99
29) Tetrahydrofuran	7.57	42	66709	90.071	ug/l	98
30) Chloroform	7.71	83	175065	20.989	ug/l	98
31) Cyclohexane	7.98	56	171371	20.537	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	159948	20.751	ug/l	99
36) 1,1-Dichloropropene	8.11	75	139257	20.204	ug/l	98
37) Ethyl Acetate	7.30	43	49159	18.453	ug/l	98
38) Carbon Tetrachloride	8.10	117	148439	20.769	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	169636	20.378	ug/l	94
40) Benzene	8.36	78	401638	20.842	ug/l	99
41) Methacrylonitrile	7.54	41	27524m	19.536	ug/l	
42) 1,2-Dichloroethane	8.43	62	100944	20.060	ug/l	98
43) Isopropyl Acetate	8.46	43	87473	17.783	ug/l	97
44) Trichloroethene	9.11	130	111998	20.580	ug/l	98
45) 1,2-Dichloropropane	9.39	63	97974	20.988	ug/l	98
46) Dibromomethane	9.48	93	48412	19.994	ug/l	98
47) Bromodichloromethane	9.67	83	128462	20.393	ug/l	98
48) Methyl methacrylate	9.46	41	40018	17.295	ug/l	93
49) 1,4-Dioxane	9.47	88	9860	356.002	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	232959	94.113	ug/l	97
52) Toluene	10.41	92	254594	20.971	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	115113	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	143471	20.135	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67261	19.613	ug/l	98
56) Ethyl methacrylate	10.67	69	70749	18.300	ug/l	97
57) 1,3-Dichloropropane	10.95	76	115683	19.937	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	115082	96.590	ug/l	99
59) 2-Hexanone	10.99	43	149813	87.430	ug/l	100
60) Dibromochloromethane	11.14	129	89804	20.429	ug/l	100
61) 1,2-Dibromoethane	11.25	107	65722	20.091	ug/l	98
64) Tetrachloroethene	10.88	164	98613	21.221	ug/l	97
65) Chlorobenzene	11.68	112	265607	20.696	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	96944	20.741	ug/l	99
67) Ethyl Benzene	11.75	91	460912	20.785	ug/l	99
68) m/p-Xylenes	11.86	106	361772	42.311	ug/l	98
69) o-Xylene	12.18	106	155161	20.630	ug/l	98
70) Styrene	12.20	104	277416	20.958	ug/l	99
71) Bromoform	12.37	173	51603	19.655	ug/l #	98
73) Isopropylbenzene	12.48	105	432116	20.416	ug/l	100
74) N-amyl acetate	12.30	43	75912	17.519	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	69784	18.757	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	44903m	17.684	ug/l	
77) Bromobenzene	12.77	156	105969	20.152	ug/l	98
78) n-propylbenzene	12.83	91	526418	20.962	ug/l	100
79) 2-Chlorotoluene	12.91	91	286476	20.241	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	365439	21.002	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	21907	18.207	ug/l	96
82) 4-Chlorotoluene	13.01	91	308286	20.728	ug/l	97
83) tert-Butylbenzene	13.23	119	296449	20.138	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	367702	21.438	ug/l	100
85) sec-Butylbenzene	13.41	105	436934	20.794	ug/l	99
86) p-Isopropyltoluene	13.53	119	402659	21.000	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	208539	20.627	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	203188	20.204	ug/l	99
89) n-Butylbenzene	13.86	91	367623	20.739	ug/l	99
90) Hexachloroethane	14.12	117	82354	20.856	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	178755	20.777	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10463	18.466	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	116269	19.939	ug/l	99
94) Hexachlorobutadiene	15.28	225	79512	20.752	ug/l	97
95) Naphthalene	15.41	128	167423	19.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100635	19.972	ug/l	100

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

