

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021420\
 Data File : VD065187.D
 Acq On : 14 Feb 2020 14:53
 Operator : VA/SY
 Sample : VD0214SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0214SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/17/2020 10:35:13 AM

Quant Time: Feb 15 00:38:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	431122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	654646	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	584967	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	276417	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	208740	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.92	113	219474	60.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.18%	
50) Toluene-d8	10.34	98	834710	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	
62) 4-Bromofluorobenzene	12.64	95	258856	56.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77421	21.580	ug/l	99
3) Chloromethane	2.21	50	97499	23.086	ug/l	95
4) Vinyl Chloride	2.35	62	102639	22.980	ug/l	100
5) Bromomethane	2.77	94	59644	20.595	ug/l	99
6) Chloroethane	2.92	64	63512	22.924	ug/l	98
7) Trichlorofluoromethane	3.27	101	144617	22.249	ug/l	99
8) Diethyl Ether	3.71	74	40004	21.439	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90232	22.708	ug/l	100
10) Methyl Iodide	4.30	142	93754	20.672	ug/l	99
11) Tert butyl alcohol	5.26	59	21986	98.206	ug/l	94
12) 1,1-Dichloroethene	4.06	96	85401	22.441	ug/l	97
13) Acrolein	3.92	56	20767	75.417	ug/l	99
14) Allyl chloride	4.71	41	138249	21.858	ug/l	97
15) Acrylonitrile	5.43	53	87717	107.525	ug/l	99
16) Acetone	4.16	43	87480	95.491	ug/l	96
17) Carbon Disulfide	4.40	76	273890	22.415	ug/l	99
18) Methyl Acetate	4.73	43	46797	24.450	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	172606	20.511	ug/l	94
20) Methylene Chloride	4.96	84	109610	25.220	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	96271	22.360	ug/l	91
22) Diisopropyl ether	6.37	45	275467	23.090	ug/l	97
23) Vinyl Acetate	6.31	43	685315	103.061	ug/l	99
24) 1,1-Dichloroethane	6.27	63	164678	22.805	ug/l	97
25) 2-Butanone	7.22	43	111896	102.396	ug/l	97
26) 2,2-Dichloropropane	7.21	77	146426	22.623	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	100871	22.053	ug/l	99
28) Bromochloromethane	7.54	49	57000	20.823	ug/l	99
29) Tetrahydrofuran	7.57	42	68332	103.401	ug/l	97
30) Chloroform	7.71	83	169011	23.506	ug/l	97
31) Cyclohexane	7.99	56	156376	21.453	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	152849	22.821	ug/l	99
36) 1,1-Dichloropropene	8.11	75	134976	22.174	ug/l	99
37) Ethyl Acetate	7.30	43	50083	20.139	ug/l	98
38) Carbon Tetrachloride	8.10	117	139877	22.499	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	151333	20.141	ug/l	99
40) Benzene	8.36	78	378905	22.541	ug/l	97
41) Methacrylonitrile	7.53	41	28601	20.876	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	101654	21.223	ug/l	99
43) Isopropyl Acetate	8.46	43	95241	20.021	ug/l	98
44) Trichloroethene	9.11	130	103356	21.421	ug/l	99
45) 1,2-Dichloropropane	9.39	63	92440	22.936	ug/l	96
46) Dibromomethane	9.48	93	46094	21.765	ug/l	98
47) Bromodichloromethane	9.67	83	125639	22.515	ug/l	98
48) Methyl methacrylate	9.46	41	44857	19.596	ug/l	98
49) 1,4-Dioxane	9.47	88	9857	392.957	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	239659	102.350	ug/l	100
52) Toluene	10.41	92	239454	22.319	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	115860	21.325	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	141661	21.801	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	65568	22.571	ug/l	98
56) Ethyl methacrylate	10.67	69	72072	19.609	ug/l	98
57) 1,3-Dichloropropane	10.95	76	113511	22.222	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	115728	84.898	ug/l	99
59) 2-Hexanone	10.99	43	166373	100.311	ug/l	97
60) Dibromochloromethane	11.14	129	83263	22.129	ug/l	96
61) 1,2-Dibromoethane	11.25	107	61277	21.588	ug/l	99
64) Tetrachloroethene	10.88	164	87576	20.835	ug/l	98
65) Chlorobenzene	11.68	112	248204	21.937	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	90135	21.585	ug/l	96
67) Ethyl Benzene	11.75	91	437336	21.276	ug/l	98
68) m/p-Xylenes	11.86	106	340246	43.368	ug/l	99
69) o-Xylene	12.19	106	148101	20.963	ug/l	99
70) Styrene	12.20	104	264394	21.532	ug/l	99
71) Bromoform	12.37	173	49102	21.846	ug/l #	98
73) Isopropylbenzene	12.48	105	406325	21.417	ug/l	99
74) N-amyl acetate	12.30	43	84995	20.611	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	69370	23.232	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46163m	22.058	ug/l	
77) Bromobenzene	12.77	156	101316	22.165	ug/l	99
78) n-propylbenzene	12.83	91	494643	22.263	ug/l	100
79) 2-Chlorotoluene	12.91	91	273696	22.100	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	335066	21.588	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	21955	20.981	ug/l	94
82) 4-Chlorotoluene	13.01	91	291996	22.449	ug/l	100
83) tert-Butylbenzene	13.23	119	277006	20.687	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	335358	21.763	ug/l	98
85) sec-Butylbenzene	13.41	105	394643	21.578	ug/l	100
86) p-Isopropyltoluene	13.53	119	364596	21.456	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	188829	22.064	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	187503	22.012	ug/l	99
89) n-Butylbenzene	13.86	91	338092	21.556	ug/l	99
90) Hexachloroethane	14.12	117	71896	22.344	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	161088	21.975	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10301	21.133	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	108377	20.685	ug/l	98
94) Hexachlorobutadiene	15.28	225	67951	21.092	ug/l	99
95) Naphthalene	15.41	128	158738	18.228	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	90668	20.231	ug/l	100

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

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