

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065172.D
 Acq On : 13 Feb 2020 11:21
 Operator : VA/SY
 Sample : VD0213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:17:50 PM

Quant Time: Feb 14 07:25:30 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	473269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213648	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	7.92	113	220003	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.34	98	863529	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.64	95	270088	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79001	20.059	ug/l	96
3) Chloromethane	2.21	50	101764	21.950	ug/l	99
4) Vinyl Chloride	2.35	62	103423	21.094	ug/l	95
5) Bromomethane	2.76	94	61200	19.251	ug/l	99
6) Chloroethane	2.92	64	64837	21.318	ug/l	99
7) Trichlorofluoromethane	3.27	101	152256	21.338	ug/l	98
8) Diethyl Ether	3.71	74	40618	19.829	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90917	20.843	ug/l	99
10) Methyl Iodide	4.29	142	85606	17.194	ug/l	97
11) Tert butyl alcohol	5.25	59	21120	85.937	ug/l	96
12) 1,1-Dichloroethene	4.06	96	84255	20.168	ug/l	93
13) Acrolein	3.93	56	23965	79.280	ug/l	97
14) Allyl chloride	4.71	41	138691	19.975	ug/l	96
15) Acrylonitrile	5.43	53	91201	101.839	ug/l	100
16) Acetone	4.17	43	91215	90.701	ug/l	97
17) Carbon Disulfide	4.40	76	277049	20.655	ug/l	100
18) Methyl Acetate	4.73	43	47105	22.419	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171111	18.522	ug/l	97
20) Methylene Chloride	4.96	84	103973	21.211	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	97377	20.602	ug/l	91
22) Diisopropyl ether	6.37	45	271573	20.736	ug/l	96
23) Vinyl Acetate	6.31	43	699714	95.855	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169057	21.327	ug/l	99
25) 2-Butanone	7.22	43	114122	95.133	ug/l	98
26) 2,2-Dichloropropane	7.21	77	144497	20.337	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	100002	19.916	ug/l	98
28) Bromochloromethane	7.55	49	58885	19.596	ug/l	97
29) Tetrahydrofuran	7.57	42	72935	100.538	ug/l	94
30) Chloroform	7.71	83	170509	21.602	ug/l	100
31) Cyclohexane	7.98	56	159267	19.904	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	152392	20.727	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135453	20.463	ug/l	98
37) Ethyl Acetate	7.30	43	53415	19.753	ug/l #	95
38) Carbon Tetrachloride	8.10	117	137562	20.348	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153210	18.752	ug/l	95
40) Benzene	8.36	78	374609	20.494	ug/l	99
41) Methacrylonitrile	7.53	41	24538	16.471	ug/l	92
42) 1,2-Dichloroethane	8.43	62	104318	20.029	ug/l	98
43) Isopropyl Acetate	8.46	43	97364	18.822	ug/l	99
44) Trichloroethene	9.11	130	103346	19.697	ug/l	98
45) 1,2-Dichloropropane	9.39	63	93832	21.410	ug/l	99
46) Dibromomethane	9.48	93	48208	20.933	ug/l	97
47) Bromodichloromethane	9.67	83	127381	20.992	ug/l	96
48) Methyl methacrylate	9.46	41	45945	18.458	ug/l	99
49) 1,4-Dioxane	9.47	88	10524	385.826	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	248670	97.663	ug/l	99
52) Toluene	10.41	92	244496	20.957	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117614	19.908	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	143656	20.331	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65282	20.667	ug/l	96
56) Ethyl methacrylate	10.67	69	74137	18.549	ug/l	96
57) 1,3-Dichloropropane	10.95	76	111863	20.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124494	83.768	ug/l	100
59) 2-Hexanone	10.99	43	176638	97.940	ug/l	99
60) Dibromochloromethane	11.14	129	84008	20.533	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62454	20.234	ug/l	99
64) Tetrachloroethene	10.88	164	88721	19.240	ug/l	96
65) Chlorobenzene	11.67	112	252287	20.326	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	91811	20.041	ug/l	98
67) Ethyl Benzene	11.75	91	448203	19.875	ug/l	99
68) m/p-Xylenes	11.86	106	342414	39.783	ug/l	99
69) o-Xylene	12.18	106	147684	19.054	ug/l	98
70) Styrene	12.20	104	269694	20.020	ug/l	100
71) Bromoform	12.37	173	51277	20.795	ug/l #	99
73) Isopropylbenzene	12.48	105	413689	19.369	ug/l	99
74) N-amyl acetate	12.30	43	84729	18.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70149	20.869	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	47721m	20.256	ug/l	
77) Bromobenzene	12.77	156	101190	19.664	ug/l	98
78) n-propylbenzene	12.83	91	505184	20.198	ug/l	100
79) 2-Chlorotoluene	12.91	91	281184	20.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	344331	19.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22700	19.270	ug/l	98
82) 4-Chlorotoluene	13.01	91	292112	19.950	ug/l	99
83) tert-Butylbenzene	13.23	119	284853	18.896	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	347753	20.047	ug/l	100
85) sec-Butylbenzene	13.41	105	410698	19.948	ug/l	100
86) p-Isopropyltoluene	13.53	119	381366	19.936	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193618	20.096	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190338	19.849	ug/l	99
89) n-Butylbenzene	13.86	91	355560	20.138	ug/l	98
90) Hexachloroethane	14.12	117	76943	21.241	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	165787	20.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10628	19.369	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	112590	19.089	ug/l	99
94) Hexachlorobutadiene	15.28	225	70913	19.553	ug/l	99
95) Naphthalene	15.41	128	167287	17.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94706	18.772	ug/l	99

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

