

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD020620\
 Data File : VD065081.D
 Acq On : 06 Feb 2020 12:33
 Operator : VA/SY
 Sample : VD0206SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0206SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/7/2020 12:05:37 PM

Quant Time: Feb 07 06:21:54 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	465883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	695342	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	625628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	222187	56.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.22%	
35) Dibromofluoromethane	7.92	113	213141	54.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.88%	
50) Toluene-d8	10.34	98	839420	54.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.72%	
62) 4-Bromofluorobenzene	12.64	95	261965	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	83456	21.526	ug/l	96
3) Chloromethane	2.21	50	112375	24.623	ug/l	94
4) Vinyl Chloride	2.35	62	115175	23.863	ug/l	100
5) Bromomethane	2.76	94	74223	23.717	ug/l	95
6) Chloroethane	2.92	64	74614	24.922	ug/l	99
7) Trichlorofluoromethane	3.27	101	167515	23.849	ug/l	95
8) Diethyl Ether	3.70	74	43806	21.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94614	22.034	ug/l	98
10) Methyl Iodide	4.29	142	98313	20.060	ug/l	97
11) Tert butyl alcohol	5.24	59	29278	121.020	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	88286	21.468	ug/l	97
13) Acrolein	3.93	56	31186	104.804	ug/l	97
14) Allyl chloride	4.71	41	150363	22.000	ug/l	98
15) Acrylonitrile	5.43	53	99022	112.326	ug/l	99
16) Acetone	4.17	43	98969	99.972	ug/l	96
17) Carbon Disulfide	4.40	76	300341	22.746	ug/l	98
18) Methyl Acetate	4.72	43	46424	22.445	ug/l #	81
19) Methyl tert-butyl Ether	5.49	73	194988	21.441	ug/l	96
20) Methylene Chloride	4.96	84	109152	22.905	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	102015	21.926	ug/l	95
22) Diisopropyl ether	6.37	45	290517	22.535	ug/l	96
23) Vinyl Acetate	6.31	43	787270	109.560	ug/l	100
24) 1,1-Dichloroethane	6.27	63	175955	22.549	ug/l	99
25) 2-Butanone	7.22	43	128946	109.194	ug/l	100
26) 2,2-Dichloropropane	7.21	77	159133	22.752	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	109550	22.163	ug/l	100
28) Bromochloromethane	7.55	49	60027	20.293	ug/l	96
29) Tetrahydrofuran	7.57	42	77128	108.003	ug/l	99
30) Chloroform	7.71	83	176614	22.731	ug/l	97
31) Cyclohexane	7.98	56	167653	21.284	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	161393	22.299	ug/l	99
36) 1,1-Dichloropropene	8.11	75	142651	22.063	ug/l	99
37) Ethyl Acetate	7.30	43	54327	20.567	ug/l	98
38) Carbon Tetrachloride	8.10	117	145217	21.991	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165825	20.778	ug/l	97
40) Benzene	8.36	78	395809	22.168	ug/l	100
41) Methacrylonitrile	7.54	41	37417	25.712	ug/l	86
42) 1,2-Dichloroethane	8.43	62	117610	23.118	ug/l	100
43) Isopropyl Acetate	8.46	43	107652	21.305	ug/l	99
44) Trichloroethene	9.11	130	110041	21.472	ug/l	97
45) 1,2-Dichloropropane	9.39	63	95927	22.408	ug/l	93
46) Dibromomethane	9.48	93	51914	23.078	ug/l	97
47) Bromodichloromethane	9.67	83	135555	22.870	ug/l	98
48) Methyl methacrylate	9.46	41	51302	21.099	ug/l	95
49) 1,4-Dioxane	9.47	88	11368	426.670	ug/l #	90
51) 4-Methyl-2-Pentanone	10.24	43	272385	109.518	ug/l	99
52) Toluene	10.41	92	253228	22.222	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	128877	22.332	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	152372	22.076	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	68176	22.096	ug/l	97
56) Ethyl methacrylate	10.67	69	82142	21.040	ug/l	98
57) 1,3-Dichloropropane	10.95	76	120514	22.212	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	126347	87.837	ug/l	99
59) 2-Hexanone	10.99	43	189820	107.749	ug/l	98
60) Dibromochloromethane	11.14	129	91881	22.990	ug/l	100
61) 1,2-Dibromoethane	11.26	107	67955	22.540	ug/l	97
64) Tetrachloroethene	10.88	164	94989	21.130	ug/l	98
65) Chlorobenzene	11.68	112	267146	22.077	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	98506	22.056	ug/l	98
67) Ethyl Benzene	11.75	91	468713	21.320	ug/l	98
68) m/p-Xylenes	11.86	106	362997	43.261	ug/l	100
69) o-Xylene	12.18	106	160415	21.230	ug/l	98
70) Styrene	12.20	104	284301	21.648	ug/l	100
71) Bromoform	12.37	173	53118	22.097	ug/l #	100
73) Isopropylbenzene	12.48	105	433503	20.760	ug/l	100
74) N-amyl acetate	12.30	43	93651	20.634	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73692	22.423	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50378m	21.872	ug/l	
77) Bromobenzene	12.77	156	107780	21.423	ug/l	97
78) n-propylbenzene	12.83	91	528738	21.622	ug/l	99
79) 2-Chlorotoluene	12.91	91	288039	21.131	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	366993	21.483	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	25520	22.158	ug/l	99
82) 4-Chlorotoluene	13.01	91	306018	21.376	ug/l	100
83) tert-Butylbenzene	13.23	119	299611	20.329	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	361949	21.342	ug/l	98
85) sec-Butylbenzene	13.41	105	419409	20.836	ug/l	99
86) p-Isopropyltoluene	13.53	119	394000	21.067	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	204921	21.755	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	197814	21.100	ug/l	97
89) n-Butylbenzene	13.86	91	357885	20.732	ug/l	99
90) Hexachloroethane	14.12	117	75647	21.360	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	170767	21.165	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11889	22.161	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118064	20.474	ug/l	99
94) Hexachlorobutadiene	15.28	225	72353	20.406	ug/l	98
95) Naphthalene	15.41	128	186476	19.456	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	100872	20.450	ug/l	98

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

