

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031320\
 Data File : VD065500.D
 Acq On : 13 Mar 2020 12:09
 Operator : VA/SY
 Sample : VD0313SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0313SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/16/2020 2:05:26 PM

Quant Time: Mar 16 02:13:28 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	451009	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	652515	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310923	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	196936	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
35) Dibromofluoromethane	7.92	113	211831	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
50) Toluene-d8	10.34	98	802739	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
62) 4-Bromofluorobenzene	12.64	95	259245	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82314	21.236	ug/l	97
3) Chloromethane	2.21	50	94656	20.227	ug/l	98
4) Vinyl Chloride	2.35	62	96147	20.830	ug/l	100
5) Bromomethane	2.77	94	61619	21.054	ug/l	98
6) Chloroethane	2.92	64	59743	21.133	ug/l	99
7) Trichlorofluoromethane	3.27	101	143237	21.060	ug/l	100
8) Diethyl Ether	3.71	74	43099	21.309	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95340	21.765	ug/l	99
10) Methyl Iodide	4.29	142	88560	19.460	ug/l	99
11) Tert butyl alcohol	5.25	59	20511	92.429	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	85364	20.352	ug/l	91
13) Acrolein	3.93	56	30455	79.577	ug/l	99
14) Allyl chloride	4.71	41	125309	19.448	ug/l	99
15) Acrylonitrile	5.43	53	90097	102.393	ug/l	99
16) Acetone	4.17	43	78471	100.293	ug/l	96
17) Carbon Disulfide	4.40	76	276801	19.816	ug/l	98
18) Methyl Acetate	4.73	43	42325	21.325	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	165549	20.524	ug/l	98
20) Methylene Chloride	4.96	84	104709	22.761	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	97055	20.801	ug/l	95
22) Diisopropyl ether	6.37	45	261295	21.815	ug/l	99
23) Vinyl Acetate	6.31	43	685589	103.085	ug/l	100
24) 1,1-Dichloroethane	6.27	63	163031	21.220	ug/l	98
25) 2-Butanone	7.23	43	106285	99.543	ug/l	97
26) 2,2-Dichloropropane	7.21	77	140873	20.982	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	97993	20.547	ug/l	97
28) Bromochloromethane	7.55	49	64343	20.933	ug/l	98
29) Tetrahydrofuran	7.57	42	67173	98.514	ug/l	97
30) Chloroform	7.71	83	168766	21.977	ug/l	99
31) Cyclohexane	7.98	56	151326	19.698	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	151575	21.359	ug/l	99
36) 1,1-Dichloropropene	8.11	75	131619	21.043	ug/l	99
37) Ethyl Acetate	7.30	43	52732	21.812	ug/l	99
38) Carbon Tetrachloride	8.10	117	139013	21.433	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	147124	19.475	ug/l	98
40) Benzene	8.36	78	378388	21.637	ug/l	100
41) Methacrylonitrile	7.54	41	31391	24.552	ug/l #	73
42) 1,2-Dichloroethane	8.43	62	104475	22.878	ug/l	100
43) Isopropyl Acetate	8.46	43	91896	20.587	ug/l	98
44) Trichloroethene	9.11	130	106366	21.537	ug/l	98
45) 1,2-Dichloropropane	9.39	63	96062	22.677	ug/l	99
46) Dibromomethane	9.48	93	47915	21.806	ug/l	95
47) Bromodichloromethane	9.67	83	127251	22.260	ug/l	94
48) Methyl methacrylate	9.46	41	41980	19.993	ug/l	94
49) 1,4-Dioxane	9.47	88	11401	453.604	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	246773	109.857	ug/l	98
52) Toluene	10.41	92	244765	22.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	115819	21.680	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	141316	21.854	ug/l	96
55) 1,1,2-Trichloroethane	10.81	97	69423	22.307	ug/l	97
56) Ethyl methacrylate	10.67	69	74187	21.145	ug/l	97
57) 1,3-Dichloropropane	10.95	76	118849	22.570	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	107782	99.615	ug/l	99
59) 2-Hexanone	10.99	43	162193	104.305	ug/l	99
60) Dibromochloromethane	11.14	129	91070	22.829	ug/l	99
61) 1,2-Dibromoethane	11.26	107	65499	22.064	ug/l	98
64) Tetrachloroethene	10.88	164	92730	21.105	ug/l	97
65) Chlorobenzene	11.68	112	256983	21.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	98154	22.210	ug/l	97
67) Ethyl Benzene	11.75	91	434745	20.735	ug/l	98
68) m/p-Xylenes	11.86	106	343363	42.473	ug/l	99
69) o-Xylene	12.19	106	148271	20.850	ug/l	99
70) Styrene	12.20	104	267031	21.336	ug/l	100
71) Bromoform	12.37	173	54350	21.895	ug/l #	99
73) Isopropylbenzene	12.48	105	403243	19.718	ug/l	99
74) N-amyl acetate	12.30	43	82653	19.741	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	73709	20.504	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	50913m	20.752	ug/l	
77) Bromobenzene	12.77	156	106375	20.936	ug/l	100
78) n-propylbenzene	12.83	91	499356	20.579	ug/l	100
79) 2-Chlorotoluene	12.91	91	278202	20.343	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	345884	20.572	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22599	19.438	ug/l	96
82) 4-Chlorotoluene	13.01	91	302563	21.054	ug/l	99
83) tert-Butylbenzene	13.23	119	274165	19.275	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	346273	20.894	ug/l	100
85) sec-Butylbenzene	13.41	105	406892	20.041	ug/l	99
86) p-Isopropyltoluene	13.53	119	377624	20.383	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202787	20.759	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	204466	21.042	ug/l	99
89) n-Butylbenzene	13.86	91	336366	19.638	ug/l	99
90) Hexachloroethane	14.12	117	77847	20.404	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	179250	21.563	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11008	20.107	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113422	20.131	ug/l	98
94) Hexachlorobutadiene	15.28	225	77130	20.834	ug/l	99
95) Naphthalene	15.41	128	167853	19.649	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	99020	20.338	ug/l	99

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

