

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065425.D
 Acq On : 05 Mar 2020 12:23
 Operator : VA/SY
 Sample : VD0305SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0305SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:25 AM

Quant Time: Mar 06 03:56:59 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	480347	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	709751	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	633972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	314050	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207315	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.92	113	222241	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
50) Toluene-d8	10.34	98	881997	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
62) 4-Bromofluorobenzene	12.64	95	276200	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	93557	22.663	ug/l	99
3) Chloromethane	2.21	50	108916	21.853	ug/l	98
4) Vinyl Chloride	2.35	62	105980	21.558	ug/l	98
5) Bromomethane	2.77	94	66886	21.560	ug/l	97
6) Chloroethane	2.93	64	64647	21.471	ug/l	99
7) Trichlorofluoromethane	3.27	101	154921	21.387	ug/l	100
8) Diethyl Ether	3.70	74	43428	20.160	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	98593	21.133	ug/l	98
10) Methyl Iodide	4.30	142	96600	19.931	ug/l	98
11) Tert butyl alcohol	5.23	59	19099	80.810	ug/l	97
12) 1,1-Dichloroethene	4.06	96	93928	21.026	ug/l	96
13) Acrolein	3.92	56	37603	92.253	ug/l	98
14) Allyl chloride	4.71	41	141037	20.552	ug/l	100
15) Acrylonitrile	5.43	53	87281	93.135	ug/l	98
16) Acetone	4.16	43	78020	93.626	ug/l	91
17) Carbon Disulfide	4.40	76	318980	21.441	ug/l	99
18) Methyl Acetate	4.72	43	40273	19.052	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	168698	19.637	ug/l	100
20) Methylene Chloride	4.96	84	120816	24.968	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103097	20.746	ug/l	96
22) Diisopropyl ether	6.37	45	275009	21.557	ug/l	94
23) Vinyl Acetate	6.31	43	690958	97.547	ug/l	100
24) 1,1-Dichloroethane	6.27	63	172969	21.139	ug/l	95
25) 2-Butanone	7.22	43	101802	89.521	ug/l	99
26) 2,2-Dichloropropane	7.21	77	148471	20.763	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	104930	20.657	ug/l	98
28) Bromochloromethane	7.55	49	69788	21.318	ug/l	98
29) Tetrahydrofuran	7.57	42	67709	93.235	ug/l	98
30) Chloroform	7.71	83	174648	21.354	ug/l	97
31) Cyclohexane	7.98	56	169164	20.675	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	158599	20.984	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144359	21.219	ug/l	100
37) Ethyl Acetate	7.30	43	48638	18.496	ug/l	98
38) Carbon Tetrachloride	8.10	117	148922	21.109	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	167197	20.348	ug/l	94
40) Benzene	8.35	78	403708	21.223	ug/l	100
41) Methacrylonitrile	7.54	41	27248m	19.593	ug/l	
42) 1,2-Dichloroethane	8.43	62	101798	20.494	ug/l	100
43) Isopropyl Acetate	8.46	43	89993	18.534	ug/l	97
44) Trichloroethene	9.11	130	115053	21.417	ug/l	99
45) 1,2-Dichloropropane	9.39	63	95828	20.797	ug/l	99
46) Dibromomethane	9.48	93	48693	20.373	ug/l	98
47) Bromodichloromethane	9.67	83	130758	21.029	ug/l #	99
48) Methyl methacrylate	9.46	41	42243	18.496	ug/l	99
49) 1,4-Dioxane	9.47	88	9919	362.816	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	226239	92.593	ug/l	98
52) Toluene	10.41	92	257301	21.472	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118061	20.318	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	145564	20.696	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	67508	19.942	ug/l	97
56) Ethyl methacrylate	10.67	69	72394	18.970	ug/l	97
57) 1,3-Dichloropropane	10.95	76	115271	20.126	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	111318	94.697	ug/l	99
59) 2-Hexanone	10.99	43	155559	91.971	ug/l	98
60) Dibromochloromethane	11.14	129	88680	20.437	ug/l	99
61) 1,2-Dibromoethane	11.25	107	65478	20.279	ug/l	96
64) Tetrachloroethene	10.88	164	97144	21.384	ug/l	97
65) Chlorobenzene	11.67	112	266656	21.255	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	97257	21.286	ug/l	98
67) Ethyl Benzene	11.75	91	461651	21.296	ug/l	99
68) m/p-Xylenes	11.86	106	366386	43.834	ug/l	98
69) o-Xylene	12.18	106	157665	21.444	ug/l	100
70) Styrene	12.20	104	284141	21.958	ug/l	99
71) Bromoform	12.37	173	51118	19.917	ug/l #	99
73) Isopropylbenzene	12.48	105	437671	21.188	ug/l	99
74) N-amyl acetate	12.30	43	80219	18.969	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	71436	19.674	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	46820m	18.893	ug/l	
77) Bromobenzene	12.77	156	104610	20.383	ug/l	98
78) n-propylbenzene	12.83	91	530524	21.646	ug/l	99
79) 2-Chlorotoluene	12.91	91	293047	21.215	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	370946	21.843	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22128	18.844	ug/l	97
82) 4-Chlorotoluene	13.01	91	312609	21.537	ug/l	100
83) tert-Butylbenzene	13.23	119	301510	20.986	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360031	21.508	ug/l	98
85) sec-Butylbenzene	13.41	105	438504	21.383	ug/l	100
86) p-Isopropyltoluene	13.53	119	404021	21.590	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	206279	20.906	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	206520	21.041	ug/l	98
89) n-Butylbenzene	13.85	91	369710	21.370	ug/l	99
90) Hexachloroethane	14.12	117	79651	20.669	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	175359	20.884	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9824	17.766	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	115945	20.373	ug/l	99
94) Hexachlorobutadiene	15.28	225	77040	20.602	ug/l	98
95) Naphthalene	15.41	128	166922	19.413	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102808	20.906	ug/l	99

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

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