

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065416.D
 Acq On : 04 Mar 2020 17:46
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:08 PM

Quant Time: Mar 05 02:27:08 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	474819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	715441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	643714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210327	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.92	113	223296	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	872485	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.64	95	277496	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94130	23.067	ug/l	98
3) Chloromethane	2.21	50	102964	20.899	ug/l	98
4) Vinyl Chloride	2.35	62	104581	21.521	ug/l	98
5) Bromomethane	2.76	94	67522	22.130	ug/l	97
6) Chloroethane	2.92	64	61990	20.828	ug/l	100
7) Trichlorofluoromethane	3.27	101	151909	21.215	ug/l	99
8) Diethyl Ether	3.70	74	43726	20.535	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	95231	20.650	ug/l	100
10) Methyl Iodide	4.29	142	101458	21.177	ug/l	98
11) Tert butyl alcohol	5.24	59	28748	123.052	ug/l	99
12) 1,1-Dichloroethene	4.06	96	93681	21.215	ug/l	97
13) Acrolein	3.92	56	40358	100.165	ug/l	98
14) Allyl chloride	4.71	41	140559	20.721	ug/l	99
15) Acrylonitrile	5.43	53	95688	103.294	ug/l	99
16) Acetone	4.16	43	80197	97.359	ug/l	94
17) Carbon Disulfide	4.40	76	309258	21.030	ug/l	99
18) Methyl Acetate	4.73	43	43058	20.607	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	180469	21.252	ug/l	96
20) Methylene Chloride	4.96	84	106208	21.793	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	102873	20.942	ug/l	96
22) Diisopropyl ether	6.37	45	276062	21.892	ug/l	95
23) Vinyl Acetate	6.31	43	744627	106.347	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173712	21.477	ug/l	98
25) 2-Butanone	7.23	43	115164	102.450	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	145612	20.601	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107123	21.335	ug/l	98
28) Bromochloromethane	7.55	49	70667	21.837	ug/l	99
29) Tetrahydrofuran	7.57	42	74420	103.669	ug/l	99
30) Chloroform	7.71	83	173988	21.521	ug/l	98
31) Cyclohexane	7.98	56	168145	20.790	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	155094	20.759	ug/l	98
36) 1,1-Dichloropropene	8.11	75	140479	20.484	ug/l	99
37) Ethyl Acetate	7.31	43	51621	19.474	ug/l	99
38) Carbon Tetrachloride	8.10	117	142798	20.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	164029	19.803	ug/l	93
40) Benzene	8.35	78	394095	20.553	ug/l	99
41) Methacrylonitrile	7.54	41	33843	24.142	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	106606	21.291	ug/l	99
43) Isopropyl Acetate	8.46	43	96691	19.756	ug/l	97
44) Trichloroethene	9.11	130	110022	20.318	ug/l	100
45) 1,2-Dichloropropane	9.39	63	94855	20.422	ug/l	95
46) Dibromomethane	9.48	93	49847	20.690	ug/l	99
47) Bromodichloromethane	9.67	83	126739	20.221	ug/l	100
48) Methyl methacrylate	9.46	41	45424	19.730	ug/l	97
49) 1,4-Dioxane	9.46	88	11606	421.146	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	254247	103.229	ug/l	98
52) Toluene	10.41	92	255283	21.134	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119712	20.438	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	147218	20.765	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	70876	20.771	ug/l	99
56) Ethyl methacrylate	10.67	69	79240	20.599	ug/l	97
57) 1,3-Dichloropropane	10.95	76	119091	20.627	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	145739	122.340	ug/l	100
59) 2-Hexanone	10.99	43	172061	100.918	ug/l	99
60) Dibromochloromethane	11.14	129	91326	20.879	ug/l	98
61) 1,2-Dibromoethane	11.25	107	69103	21.231	ug/l	95
64) Tetrachloroethene	10.88	164	94256	20.434	ug/l	94
65) Chlorobenzene	11.68	112	266417	20.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	97223	20.956	ug/l	98
67) Ethyl Benzene	11.75	91	455673	20.703	ug/l	98
68) m/p-Xylenes	11.86	106	356123	41.961	ug/l	98
69) o-Xylene	12.18	106	157115	21.046	ug/l	99
70) Styrene	12.20	104	279597	21.280	ug/l	100
71) Bromoform	12.37	173	54175	20.789	ug/l #	99
73) Isopropylbenzene	12.49	105	430805	20.714	ug/l	99
74) N-amyl acetate	12.30	43	86775	20.381	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	74185	20.293	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	50623m	20.290	ug/l	
77) Bromobenzene	12.77	156	107806	20.864	ug/l	98
78) n-propylbenzene	12.83	91	523914	21.232	ug/l	99
79) 2-Chlorotoluene	12.91	91	293468	21.102	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	363127	21.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23608	19.968	ug/l	93
82) 4-Chlorotoluene	13.01	91	308244	21.092	ug/l	99
83) tert-Butylbenzene	13.23	119	291066	20.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	357682	21.223	ug/l	100
85) sec-Butylbenzene	13.41	105	423334	20.503	ug/l	98
86) p-Isopropyltoluene	13.53	119	391499	20.779	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203364	20.471	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	206500	20.897	ug/l	99
89) n-Butylbenzene	13.85	91	355988	20.438	ug/l	99
90) Hexachloroethane	14.12	117	79853	20.581	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	176238	20.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	10730	19.273	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118837	20.740	ug/l	99
94) Hexachlorobutadiene	15.28	225	77492	20.583	ug/l	99
95) Naphthalene	15.41	128	181222	20.589	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	102526	20.707	ug/l	100

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

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