

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082420\
 Data File : VD066375.D
 Acq On : 24 Aug 2020 12:29
 Operator : VA/SY
 Sample : VD0824SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/25/2020 3:32:55 PM

Quant Time: Aug 25 03:32:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	203801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	283687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	263131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	140597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	104937	52.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.04%	
35) Dibromofluoromethane	7.91	113	88651	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
50) Toluene-d8	10.34	98	336400	51.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.66%	
62) 4-Bromofluorobenzene	12.63	95	120263	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	34390	19.849	ug/l	96
3) Chloromethane	2.21	50	22162	18.045	ug/l	96
4) Vinyl Chloride	2.34	62	23553	17.862	ug/l	91
5) Bromomethane	2.75	94	18578	18.836	ug/l	86
6) Chloroethane	2.91	64	15520	18.381	ug/l	93
7) Trichlorofluoromethane	3.27	101	71218	19.862	ug/l	97
8) Diethyl Ether	3.71	74	14879	18.520	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31171	17.615	ug/l	93
10) Methyl Iodide	4.30	142	27878	13.813	ug/l	95
11) Tert butyl alcohol	5.22	59	14852	104.040	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	30132	18.140	ug/l	87
13) Acrolein	3.92	56	7561	85.217	ug/l	90
14) Allyl chloride	4.71	41	37439	16.887	ug/l	94
15) Acrylonitrile	5.42	53	27680	85.872	ug/l	97
16) Acetone	4.15	43	30482	84.621	ug/l #	83
17) Carbon Disulfide	4.41	76	81988	16.287	ug/l	98
18) Methyl Acetate	4.71	43	11538	17.066	ug/l #	88
19) Methyl tert-butyl Ether	5.47	73	73740	18.437	ug/l	98
20) Methylene Chloride	4.97	84	41148	17.226	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	33513	17.332	ug/l	97
22) Diisopropyl ether	6.36	45	75344	17.552	ug/l	93
23) Vinyl Acetate	6.30	43	225529	84.870	ug/l	99
24) 1,1-Dichloroethane	6.26	63	51370	16.935	ug/l	96
25) 2-Butanone	7.21	43	35256	86.214	ug/l	97
26) 2,2-Dichloropropane	7.20	77	61252	18.840	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	37237	17.973	ug/l	98
28) Bromochloromethane	7.54	49	18569	17.771	ug/l	94
29) Tetrahydrofuran	7.56	42	19690	84.772	ug/l	95
30) Chloroform	7.71	83	64831	18.472	ug/l	99
31) Cyclohexane	7.97	56	44910	16.188	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	67262	18.725	ug/l	99
36) 1,1-Dichloropropene	8.11	75	47832	18.479	ug/l	99
37) Ethyl Acetate	7.29	43	14751	16.755	ug/l #	90
38) Carbon Tetrachloride	8.09	117	66859	19.826	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	55441	18.182	ug/l	91
40) Benzene	8.34	78	122560	17.999	ug/l	96
41) Methacrylonitrile	7.54	41	9962m	18.349	ug/l	
42) 1,2-Dichloroethane	8.42	62	46209	19.267	ug/l	98
43) Isopropyl Acetate	8.44	43	30341	17.171	ug/l	97
44) Trichloroethene	9.11	130	41020	18.539	ug/l	96
45) 1,2-Dichloropropane	9.38	63	28323	18.347	ug/l	94
46) Dibromomethane	9.47	93	18153	18.887	ug/l	99
47) Bromodichloromethane	9.66	83	50483	19.099	ug/l	96
48) Methyl methacrylate	9.45	41	15781	17.319	ug/l	89
49) 1,4-Dioxane	9.45	88	4134	370.410	ug/l #	51
51) 4-Methyl-2-Pentanone	10.23	43	75044	87.789	ug/l	98
52) Toluene	10.40	92	87538	18.975	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	46135	18.394	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	50630	17.984	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	23055	17.718	ug/l #	88
56) Ethyl methacrylate	10.66	69	26881	17.846	ug/l #	92
57) 1,3-Dichloropropane	10.94	76	38481	17.879	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	62712	100.243	ug/l	98
59) 2-Hexanone	10.98	43	52467	87.015	ug/l	99
60) Dibromochloromethane	11.14	129	36609	18.665	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23164	18.090	ug/l	99
64) Tetrachloroethene	10.87	164	37854	18.964	ug/l	95
65) Chlorobenzene	11.67	112	97669	18.657	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	40827	19.084	ug/l	96
67) Ethyl Benzene	11.74	91	171613	18.623	ug/l	100
68) m/p-Xylenes	11.85	106	132514	37.728	ug/l	98
69) o-Xylene	12.18	106	59670	18.262	ug/l	98
70) Styrene	12.20	104	106452	18.974	ug/l	100
71) Bromoform	12.36	173	22629	18.644	ug/l #	99
73) Isopropylbenzene	12.48	105	173631	18.435	ug/l	98
74) N-amyl acetate	12.28	43	29482	17.331	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	23437	17.419	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	20779m	21.008	ug/l	
77) Bromobenzene	12.76	156	43447	18.175	ug/l	98
78) n-propylbenzene	12.82	91	202813	18.780	ug/l	98
79) 2-Chlorotoluene	12.91	91	113385	18.383	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	147829	18.179	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	8104	17.392	ug/l	93
82) 4-Chlorotoluene	13.01	91	121061	18.526	ug/l	99
83) tert-Butylbenzene	13.23	119	134714	19.072	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	149989	18.778	ug/l	100
85) sec-Butylbenzene	13.40	105	173338	18.730	ug/l	97
86) p-Isopropyltoluene	13.52	119	169968	19.047	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	83905	18.803	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	82495	18.412	ug/l	97
89) n-Butylbenzene	13.84	91	140420	17.832	ug/l	98
90) Hexachloroethane	14.11	117	30767	17.454	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	71737	18.674	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5073	17.977	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	53581	17.866	ug/l	99
94) Hexachlorobutadiene	15.27	225	35706	19.159	ug/l	97
95) Naphthalene	15.40	128	83498	17.727	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	47495	18.487	ug/l	98

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

