

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066285.D
 Acq On : 18 Aug 2020 18:31
 Operator : VA/SY
 Sample : L3700-03MS
 Misc : 7.41G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S406-K-SO-1-1.5-081420MS

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:25 PM

Quant Time: Aug 19 07:17:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	221769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	317165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	277944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	128659	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	107091	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
35) Dibromofluoromethane	7.91	113	109388	54.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.88%	
50) Toluene-d8	10.33	98	389234	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.63	95	127643	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	74014	37.881	ug/l	98
3) Chloromethane	2.20	50	59181	38.938	ug/l	95
4) Vinyl Chloride	2.34	62	59325	44.088	ug/l	99
5) Bromomethane	2.76	94	40847	45.754	ug/l	91
6) Chloroethane	2.91	64	38353	46.433	ug/l #	88
7) Trichlorofluoromethane	3.27	101	163954	46.736	ug/l	99
8) Diethyl Ether	3.71	74	46298	46.772	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	91488	43.944	ug/l	97
10) Methyl Iodide	4.29	142	81742	44.048	ug/l	98
11) Tert butyl alcohol	5.23	59	26180	164.162	ug/l	100
12) 1,1-Dichloroethene	4.07	96	85561	43.564	ug/l	96
13) Acrolein	3.91	56	6204	39.394	ug/l	96
14) Allyl chloride	4.71	41	128788	43.284	ug/l	94
15) Acrylonitrile	5.42	53	88090	211.187	ug/l	100
16) Acetone	4.15	43	69848	186.058	ug/l	99
17) Carbon Disulfide	4.40	76	227814	36.481	ug/l	95
18) Methyl Acetate	4.71	43	86453	90.664	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	213050	47.327	ug/l	99
20) Methylene Chloride	4.96	84	148834	70.993	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	99171	43.955	ug/l	97
22) Diisopropyl ether	6.36	45	255148	43.363	ug/l	96
23) Vinyl Acetate	6.30	43	44677m	12.961	ug/l	
24) 1,1-Dichloroethane	6.26	63	172877	47.476	ug/l	99
25) 2-Butanone	7.21	43	100863	182.671	ug/l	100
26) 2,2-Dichloropropane	7.21	77	148315	45.445	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	114046	48.192	ug/l	97
28) Bromochloromethane	7.54	49	64810	50.675	ug/l	96
29) Tetrahydrofuran	7.56	42	67355	196.889	ug/l	95
30) Chloroform	7.71	83	193217	50.533	ug/l	100
31) Cyclohexane	7.98	56	125860	36.310	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	180242	50.277	ug/l	99
36) 1,1-Dichloropropene	8.10	75	130795	43.885	ug/l	100
37) Ethyl Acetate	7.29	43	39630	33.560	ug/l	99
38) Carbon Tetrachloride	8.09	117	163627	49.232	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	127921	35.506	ug/l	94
40) Benzene	8.34	78	386796	46.783	ug/l	98
41) Methacrylonitrile	7.53	41	28925	41.660	ug/l	97
42) 1,2-Dichloroethane	8.42	62	122491	50.431	ug/l	98
43) Isopropyl Acetate	8.45	43	87076	37.425	ug/l	97
44) Trichloroethene	9.11	130	115831	46.493	ug/l	98
45) 1,2-Dichloropropane	9.38	63	96379	47.663	ug/l	93
46) Dibromomethane	9.47	93	53163	47.730	ug/l	98
47) Bromodichloromethane	9.66	83	148755	50.532	ug/l	99
48) Methyl methacrylate	9.45	41	56040	47.170	ug/l #	84
49) 1,4-Dioxane	9.46	88	12324	861.228	ug/l	96
51) 4-Methyl-2-Pentanone	10.22	43	251195	210.186	ug/l	98
52) Toluene	10.40	92	257569	47.344	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	127313	45.571	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	154444	47.185	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	74864	46.678	ug/l	97
56) Ethyl methacrylate	10.66	69	66688	34.613	ug/l	96
57) 1,3-Dichloropropane	10.94	76	122041	45.835	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	222240	256.436	ug/l	99
59) 2-Hexanone	10.98	43	166288	198.257	ug/l	98
60) Dibromochloromethane	11.14	129	104771	47.317	ug/l	98
61) 1,2-Dibromoethane	11.24	107	69333	44.950	ug/l	99
64) Tetrachloroethene	10.87	164	98066	45.947	ug/l	93
65) Chlorobenzene	11.67	112	270469	47.936	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	116491	52.766	ug/l	97
67) Ethyl Benzene	11.74	91	470303	48.100	ug/l	96
68) m/p-Xylenes	11.85	106	360752	95.229	ug/l	97
69) o-Xylene	12.18	106	167064	48.479	ug/l	97
70) Styrene	12.19	104	293862	48.658	ug/l	98
71) Bromoform	12.36	173	64063	48.978	ug/l #	98
73) Isopropylbenzene	12.48	105	449375	52.324	ug/l	100
74) N-amyl acetate	12.28	43	40951	21.653	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	74519	50.885	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	55181m	51.430	ug/l	
77) Bromobenzene	12.76	156	115383	52.191	ug/l	99
78) n-propylbenzene	12.82	91	490021	49.084	ug/l	100
79) 2-Chlorotoluene	12.91	91	289289	50.665	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	366788	51.067	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	23261	47.925	ug/l	92
82) 4-Chlorotoluene	13.00	91	298436	49.513	ug/l	99
83) tert-Butylbenzene	13.23	119	318781	50.468	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	365331	50.825	ug/l	100
85) sec-Butylbenzene	13.40	105	388518	45.557	ug/l	99
86) p-Isopropyltoluene	13.52	119	365533	45.700	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	198273	47.718	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	196522	47.425	ug/l	99
89) n-Butylbenzene	13.84	91	286447	39.971	ug/l	99
90) Hexachloroethane	14.11	117	74722	46.840	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	175502	47.760	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12967	51.519	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	95091	35.115	ug/l	100
94) Hexachlorobutadiene	15.27	225	46069	28.890	ug/l	99
95) Naphthalene	15.41	128	175268	39.721	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	81129	33.937	ug/l	99

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

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