

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066286.D
 Acq On : 18 Aug 2020 18:58
 Operator : VA/SY
 Sample : L3700-04MSD
 Misc : 7.76G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 8/19/2020 5:23:27 PM

Quant Time: Aug 19 07:27:02 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	239360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	346848	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	315004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151277	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113679	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	
35) Dibromofluoromethane	7.91	113	116598	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.33	98	413626	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.63	95	140309	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	82921	39.321	ug/l	94
3) Chloromethane	2.20	50	63877	38.939	ug/l	96
4) Vinyl Chloride	2.34	62	65366	45.007	ug/l	97
5) Bromomethane	2.76	94	45388	47.104	ug/l	97
6) Chloroethane	2.91	64	42793	48.001	ug/l	95
7) Trichlorofluoromethane	3.27	101	179912	47.516	ug/l	96
8) Diethyl Ether	3.71	74	49924	46.729	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	100233	44.606	ug/l	95
10) Methyl Iodide	4.30	142	98730	48.494	ug/l	97
11) Tert butyl alcohol	5.23	59	27282	156.954	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	95367	44.989	ug/l	97
13) Acrolein	3.93	56	5577	32.810	ug/l	91
14) Allyl chloride	4.71	41	143901	44.809	ug/l	94
15) Acrylonitrile	5.42	53	97665	216.935	ug/l	99
16) Acetone	4.16	43	74207	183.143	ug/l	97
17) Carbon Disulfide	4.40	76	258993	38.426	ug/l	98
18) Methyl Acetate	4.71	43	97892	95.116	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	233541	48.066	ug/l	97
20) Methylene Chloride	4.96	84	124301	53.769	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	111444	45.765	ug/l	96
22) Diisopropyl ether	6.36	45	291181	45.850	ug/l #	93
23) Vinyl Acetate	6.30	43	86409m	23.225	ug/l	
24) 1,1-Dichloroethane	6.26	63	189626	48.248	ug/l	99
25) 2-Butanone	7.21	43	116943	196.228	ug/l	99
26) 2,2-Dichloropropane	7.20	77	161516	45.852	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	126922	49.692	ug/l	98
28) Bromochloromethane	7.54	49	68026	49.280	ug/l	95
29) Tetrahydrofuran	7.56	42	76559	207.346	ug/l	96
30) Chloroform	7.70	83	213115	51.641	ug/l	95
31) Cyclohexane	7.97	56	146874	39.259	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	200113	51.717	ug/l	99
36) 1,1-Dichloropropene	8.11	75	151227	46.398	ug/l	99
37) Ethyl Acetate	7.28	43	41481	32.121	ug/l	97
38) Carbon Tetrachloride	8.09	117	184465	50.752	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	154964	39.331	ug/l	97
40) Benzene	8.34	78	435012	48.112	ug/l	98
41) Methacrylonitrile	7.53	41	31517m	41.508	ug/l	
42) 1,2-Dichloroethane	8.42	62	135796	51.125	ug/l	99
43) Isopropyl Acetate	8.44	43	94656	37.202	ug/l	97
44) Trichloroethene	9.11	130	129655	47.588	ug/l	98
45) 1,2-Dichloropropane	9.38	63	106780	48.288	ug/l	100
46) Dibromomethane	9.47	93	60465	49.640	ug/l	99
47) Bromodichloromethane	9.66	83	165017	51.258	ug/l	91
48) Methyl methacrylate	9.45	41	63179	48.628	ug/l #	84
49) 1,4-Dioxane	9.46	88	13620	870.341	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	276816	211.802	ug/l	99
52) Toluene	10.40	92	292597	49.180	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	148482	48.600	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	174116	48.642	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	83779	47.766	ug/l	95
56) Ethyl methacrylate	10.66	69	75372	35.772	ug/l	95
57) 1,3-Dichloropropane	10.94	76	137853	47.343	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	227624	240.171	ug/l	100
59) 2-Hexanone	10.98	43	187486	204.401	ug/l	99
60) Dibromochloromethane	11.14	129	117752	48.628	ug/l	97
61) 1,2-Dibromoethane	11.24	107	79883	47.358	ug/l	95
64) Tetrachloroethene	10.87	164	113633	46.977	ug/l	94
65) Chlorobenzene	11.67	112	316325	49.467	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	129179	51.629	ug/l	99
67) Ethyl Benzene	11.74	91	553903	49.985	ug/l	100
68) m/p-Xylenes	11.85	106	416497	97.009	ug/l	98
69) o-Xylene	12.18	106	200101	51.235	ug/l	99
70) Styrene	12.19	104	335506	49.017	ug/l	98
71) Bromoform	12.36	173	72049	48.603	ug/l #	99
73) Isopropylbenzene	12.48	105	527163	52.204	ug/l	99
74) N-amyl acetate	12.29	43	49136	22.097	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	84637	49.153	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	63558m	50.381	ug/l	
77) Bromobenzene	12.76	156	136830	52.638	ug/l	99
78) n-propylbenzene	12.82	91	588939	50.172	ug/l	100
79) 2-Chlorotoluene	12.91	91	341920	50.930	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	435860	51.611	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26218	45.941	ug/l	96
82) 4-Chlorotoluene	13.00	91	357405	50.430	ug/l	98
83) tert-Butylbenzene	13.23	119	369951	49.812	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	437052	51.712	ug/l	99
85) sec-Butylbenzene	13.40	105	470876	46.959	ug/l	100
86) p-Isopropyltoluene	13.52	119	449089	47.751	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	237939	48.702	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	239220	49.098	ug/l	99
89) n-Butylbenzene	13.84	91	361941	42.954	ug/l	100
90) Hexachloroethane	14.11	117	89914	47.936	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	212947	49.285	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13753	46.472	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	122511	38.476	ug/l	98
94) Hexachlorobutadiene	15.27	225	60156	32.084	ug/l	97
95) Naphthalene	15.41	128	222569	42.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	103953	36.983	ug/l	98

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

