

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092920\
 Data File : VD066927.D
 Acq On : 29 Sep 2020 09:23
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD05006

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:21:51 PM

Quant Time: Sep 30 02:49:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	425389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	640987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	579196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	282317	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	180613	43.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.76%	
35) Dibromofluoromethane	7.91	113	197527	48.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.88%	
50) Toluene-d8	10.34	98	696315	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
62) 4-Bromofluorobenzene	12.63	95	244643	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	143826	48.289	ug/l	89
3) Chloromethane	2.21	50	154687	39.578	ug/l	98
4) Vinyl Chloride	2.35	62	157686	40.838	ug/l	96
5) Bromomethane	2.77	94	111240	40.987	ug/l	93
6) Chloroethane	2.92	64	98494	41.076	ug/l	95
7) Trichlorofluoromethane	3.27	101	368168	46.427	ug/l	98
8) Diethyl Ether	3.71	74	97764	48.561	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	220568	47.967	ug/l	98
10) Methyl Iodide	4.30	142	203806	50.227	ug/l	97
11) Tert butyl alcohol	5.23	59	64118	256.080	ug/l	98
12) 1,1-Dichloroethene	4.07	96	196467	47.165	ug/l	95
13) Acrolein	3.93	56	79866	260.029	ug/l	95
14) Allyl chloride	4.71	41	280172	45.805	ug/l	97
15) Acrylonitrile	5.42	53	215609	241.666	ug/l	99
16) Acetone	4.16	43	172476	195.279	ug/l	97
17) Carbon Disulfide	4.41	76	570887	44.828	ug/l	100
18) Methyl Acetate	4.71	43	96303	48.779	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	453616	50.145	ug/l	96
20) Methylene Chloride	4.97	84	235006	49.209	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	230695	47.830	ug/l	93
22) Diisopropyl ether	6.36	45	601499	47.827	ug/l	98
23) Vinyl Acetate	6.30	43	1590076	233.054	ug/l	98
24) 1,1-Dichloroethane	6.26	63	395436	47.000	ug/l	99
25) 2-Butanone	7.21	43	237724	223.971	ug/l	97
26) 2,2-Dichloropropane	7.21	77	365768	47.432	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	260915	49.788	ug/l	96
28) Bromochloromethane	7.54	49	164565	47.346	ug/l #	92
29) Tetrahydrofuran	7.56	42	169595	249.369	ug/l	98
30) Chloroform	7.71	83	424710	46.830	ug/l	95
31) Cyclohexane	7.98	56	342285	45.214	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	397930	48.503	ug/l	98
36) 1,1-Dichloropropene	8.11	75	323193	50.824	ug/l	99
37) Ethyl Acetate	7.28	43	119394	51.936	ug/l #	95
38) Carbon Tetrachloride	8.09	117	359107	51.653	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	385672	52.823	ug/l	99
40) Benzene	8.35	78	907231	51.190	ug/l	97
41) Methacrylonitrile	7.53	41	62060	43.898	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	253981	48.476	ug/l	99
43) Isopropyl Acetate	8.45	43	226197	51.036	ug/l	99
44) Trichloroethene	9.11	130	265108	52.480	ug/l	95
45) 1,2-Dichloropropane	9.38	63	226301	50.751	ug/l	98
46) Dibromomethane	9.47	93	126143	52.067	ug/l	96
47) Bromodichloromethane	9.66	83	331032	50.864	ug/l #	97
48) Methyl methacrylate	9.45	41	119317	54.602	ug/l	95
49) 1,4-Dioxane	9.46	88	30638	1128.468	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	593642	264.338	ug/l	98
52) Toluene	10.40	92	606299	53.110	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	296885	53.596	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	353330	52.311	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	175067	52.564	ug/l	97
56) Ethyl methacrylate	10.66	69	202628	56.791	ug/l	96
57) 1,3-Dichloropropane	10.94	76	292684	53.220	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	431124	255.194	ug/l	96
59) 2-Hexanone	10.98	43	406075	268.126	ug/l	98
60) Dibromochloromethane	11.14	129	234633	53.978	ug/l	100
61) 1,2-Dibromoethane	11.24	107	164127	52.981	ug/l	97
64) Tetrachloroethene	10.87	164	222847	53.489	ug/l	97
65) Chlorobenzene	11.67	112	639720	53.061	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	245122	53.719	ug/l	99
67) Ethyl Benzene	11.74	91	1142064	53.935	ug/l	98
68) m/p-Xylenes	11.86	106	889424	110.942	ug/l	98
69) o-Xylene	12.18	106	398499	54.971	ug/l	98
70) Styrene	12.20	104	698304	55.468	ug/l	99
71) Bromoform	12.36	173	132054	57.158	ug/l #	98
73) Isopropylbenzene	12.48	105	1111451	54.497	ug/l	99
74) N-amyl acetate	12.29	43	209717	52.656	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	183309	52.089	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	115922m	49.547	ug/l	
77) Bromobenzene	12.76	156	254729	53.404	ug/l	95
78) n-propylbenzene	12.82	91	1305618	53.213	ug/l	99
79) 2-Chlorotoluene	12.91	91	736192	52.654	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	938865	54.254	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46942	50.198	ug/l	93
82) 4-Chlorotoluene	13.01	91	762819	51.756	ug/l	99
83) tert-Butylbenzene	13.23	119	779107	54.790	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	936819	54.594	ug/l	100
85) sec-Butylbenzene	13.40	105	1116104	54.582	ug/l	100
86) p-Isopropyltoluene	13.52	119	1028539	55.802	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	492601	52.274	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	481748	51.472	ug/l	99
89) n-Butylbenzene	13.85	91	948391	54.134	ug/l	99
90) Hexachloroethane	14.11	117	194715	52.034	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	423869	52.575	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28705	50.706	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291464	57.429	ug/l	96
94) Hexachlorobutadiene	15.27	225	170384	56.023	ug/l	99
95) Naphthalene	15.41	128	512273	59.452	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	246949	56.375	ug/l	98

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

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