

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091120\
 Data File : VD066663.D
 Acq On : 11 Sep 2020 21:58
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/14/2020 12:07:05 PM

Quant Time: Sep 12 02:18:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328822	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	566601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	533084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	251493	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	216965	54.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.08%	
35) Dibromofluoromethane	7.91	113	202015	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.34	98	731550	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
62) 4-Bromofluorobenzene	12.63	95	247924	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	121630	44.349	ug/l	92
3) Chloromethane	2.21	50	177070	42.581	ug/l	100
4) Vinyl Chloride	2.35	62	185687	40.260	ug/l	93
5) Bromomethane	2.77	94	145324	49.823	ug/l	83
6) Chloroethane	2.92	64	122409	41.785	ug/l	100
7) Trichlorofluoromethane	3.27	101	304827	44.739	ug/l	99
8) Diethyl Ether	3.71	74	85027	49.558	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	167251	45.356	ug/l	98
10) Methyl Iodide	4.30	142	152991	45.848	ug/l	100
11) Tert butyl alcohol	5.22	59	56113	220.055	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	154720	46.702	ug/l	96
13) Acrolein	3.93	56	44487	273.477	ug/l	100
14) Allyl chloride	4.72	41	276271	50.884	ug/l	97
15) Acrylonitrile	5.42	53	197546	268.029	ug/l	96
16) Acetone	4.15	43	180370	246.400	ug/l	98
17) Carbon Disulfide	4.41	76	499289	45.844	ug/l	97
18) Methyl Acetate	4.72	43	94732	54.288	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	409989	52.773	ug/l	99
20) Methylene Chloride	4.97	84	219926	55.911	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	195906	49.797	ug/l	99
22) Diisopropyl ether	6.36	45	617748	55.328	ug/l	98
23) Vinyl Acetate	6.30	43	1707856	268.793	ug/l	99
24) 1,1-Dichloroethane	6.27	63	356747	50.809	ug/l	97
25) 2-Butanone	7.21	43	256696	261.227	ug/l	99
26) 2,2-Dichloropropane	7.21	77	288638	44.816	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	226873	53.627	ug/l	97
28) Bromochloromethane	7.54	49	153433	56.761	ug/l	99
29) Tetrahydrofuran	7.56	42	164653	269.045	ug/l	98
30) Chloroform	7.71	83	387135	52.118	ug/l	97
31) Cyclohexane	7.98	56	288394	44.434	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	341050	48.834	ug/l	98
36) 1,1-Dichloropropene	8.11	75	274813	46.605	ug/l	100
37) Ethyl Acetate	7.29	43	122135	52.016	ug/l	97
38) Carbon Tetrachloride	8.09	117	292735	46.968	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	310608	47.173	ug/l	98
40) Benzene	8.35	78	797410	49.377	ug/l	99
41) Methacrylonitrile	7.53	41	53762m	47.302	ug/l	
42) 1,2-Dichloroethane	8.42	62	256462	49.013	ug/l	100
43) Isopropyl Acetate	8.44	43	225365	50.085	ug/l	98
44) Trichloroethene	9.11	130	209084	49.357	ug/l	95
45) 1,2-Dichloropropane	9.38	63	205750	50.661	ug/l	95
46) Dibromomethane	9.47	93	113582	50.691	ug/l	98
47) Bromodichloromethane	9.66	83	310717	51.255	ug/l	97
48) Methyl methacrylate	9.45	41	111382	48.953	ug/l	97
49) 1,4-Dioxane	9.46	88	22568	918.078	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	602166	265.351	ug/l	100
52) Toluene	10.40	92	523947	51.253	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	274545	51.302	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	324626	50.513	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	149421	51.865	ug/l	95
56) Ethyl methacrylate	10.66	69	181996	54.256	ug/l	98
57) 1,3-Dichloropropane	10.94	76	262219	51.964	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	422909	275.640	ug/l	100
59) 2-Hexanone	10.98	43	413570	271.003	ug/l	100
60) Dibromochloromethane	11.14	129	197769	51.913	ug/l	99
61) 1,2-Dibromoethane	11.24	107	144918	51.704	ug/l	99
64) Tetrachloroethene	10.87	164	266147	74.151	ug/l	96
65) Chlorobenzene	11.67	112	546306	49.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	203608	48.488	ug/l	97
67) Ethyl Benzene	11.74	91	986573	48.834	ug/l	99
68) m/p-Xylenes	11.85	106	753805	100.490	ug/l	100
69) o-Xylene	12.18	106	346058	51.477	ug/l	99
70) Styrene	12.20	104	608142	52.034	ug/l	99
71) Bromoform	12.36	173	104234	49.255	ug/l #	98
73) Isopropylbenzene	12.48	105	947937	50.909	ug/l	99
74) N-amyl acetate	12.29	43	209727	49.731	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	163023	49.557	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	125297m	51.804	ug/l	
77) Bromobenzene	12.76	156	211092	50.850	ug/l	98
78) n-propylbenzene	12.82	91	1119280	49.586	ug/l	100
79) 2-Chlorotoluene	12.91	91	636362	50.253	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	787141	50.226	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	50401	48.650	ug/l	96
82) 4-Chlorotoluene	13.00	91	672362	49.652	ug/l	99
83) tert-Butylbenzene	13.23	119	644953	50.395	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	778622	49.901	ug/l	100
85) sec-Butylbenzene	13.40	105	897054	48.651	ug/l	100
86) p-Isopropyltoluene	13.52	119	822895	49.584	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	407653	49.464	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	393819	47.610	ug/l	99
89) n-Butylbenzene	13.84	91	777191	48.057	ug/l	99
90) Hexachloroethane	14.11	117	172759	48.312	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	348764	48.416	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26525	47.467	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	215023	49.737	ug/l	96
94) Hexachlorobutadiene	15.27	225	119866	46.152	ug/l	97
95) Naphthalene	15.41	128	411327	54.448	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	189160	51.322	ug/l	99

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

