

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092420\
 Data File : VD066862.D
 Acq On : 24 Sep 2020 20:17
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/25/2020 4:00:18 PM

Quant Time: Sep 25 02:56:40 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	7.98	168	429776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	721729	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	664787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	214203	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
35) Dibromofluoromethane	7.91	113	219567	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	10.34	98	789800	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.63	95	285504	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	136341	44.903	ug/l	95
3) Chloromethane	2.21	50	179230	45.389	ug/l	93
4) Vinyl Chloride	2.35	62	177519	45.505	ug/l	94
5) Bromomethane	2.77	94	134733	49.137	ug/l	98
6) Chloroethane	2.93	64	113730	46.946	ug/l	93
7) Trichlorofluoromethane	3.27	101	361581	45.131	ug/l	98
8) Diethyl Ether	3.71	74	111993	55.061	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	212928	45.833	ug/l	100
10) Methyl Iodide	4.30	142	206597	50.395	ug/l	96
11) Tert butyl alcohol	5.23	59	68553	274.442	ug/l	98
12) 1,1-Dichloroethene	4.07	96	204565	48.608	ug/l	97
13) Acrolein	3.92	56	70006	225.600	ug/l	93
14) Allyl chloride	4.71	41	318360	51.517	ug/l	98
15) Acrylonitrile	5.43	53	244079	270.785	ug/l	98
16) Acetone	4.16	43	190575	213.568	ug/l	98
17) Carbon Disulfide	4.41	76	601244	46.730	ug/l	96
18) Methyl Acetate	4.71	43	110292	55.817	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	515538	56.409	ug/l	100
20) Methylene Chloride	4.97	84	273017	57.572	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	248449	50.985	ug/l	94
22) Diisopropyl ether	6.36	45	695376	54.727	ug/l	99
23) Vinyl Acetate	6.30	43	1817808	263.361	ug/l	98
24) 1,1-Dichloroethane	6.27	63	428510	50.411	ug/l	97
25) 2-Butanone	7.21	43	286378	267.057	ug/l	98
26) 2,2-Dichloropropane	7.21	77	355238	45.596	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	282238	53.307	ug/l	99
28) Bromochloromethane	7.54	49	190472	54.240	ug/l	97
29) Tetrahydrofuran	7.56	42	190287	276.938	ug/l	98
30) Chloroform	7.71	83	469267	51.215	ug/l	97
31) Cyclohexane	7.98	56	347879	45.484	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	409410	49.393	ug/l	100
36) 1,1-Dichloropropene	8.11	75	339021	47.348	ug/l	98
37) Ethyl Acetate	7.30	43	137975	53.304	ug/l	97
38) Carbon Tetrachloride	8.10	117	361421	46.170	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	391124	47.577	ug/l	97
40) Benzene	8.35	78	990467	49.634	ug/l	96
41) Methacrylonitrile	7.53	41	82719	51.965	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	290257	49.202	ug/l	99
43) Isopropyl Acetate	8.45	43	263814	52.864	ug/l	98
44) Trichloroethene	9.11	130	278993	49.050	ug/l	98
45) 1,2-Dichloropropane	9.38	63	250496	49.892	ug/l	98
46) Dibromomethane	9.47	93	140131	51.370	ug/l	100
47) Bromodichloromethane	9.66	83	364500	49.741	ug/l #	99
48) Methyl methacrylate	9.45	41	126757	51.517	ug/l	99
49) 1,4-Dioxane	9.46	88	34170	1116.662	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	680812	269.238	ug/l	99
52) Toluene	10.40	92	661293	51.447	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	324355	52.004	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	390171	51.303	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	189234	50.461	ug/l	95
56) Ethyl methacrylate	10.66	69	227648	56.666	ug/l	96
57) 1,3-Dichloropropane	10.94	76	320030	51.682	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	456180	239.817	ug/l	97
59) 2-Hexanone	10.98	43	459086	269.217	ug/l	97
60) Dibromochloromethane	11.14	129	252463	51.583	ug/l	100
61) 1,2-Dibromoethane	11.24	107	186952	53.598	ug/l	99
64) Tetrachloroethene	10.87	164	238246	49.822	ug/l	100
65) Chlorobenzene	11.67	112	705538	50.986	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	267977	51.166	ug/l	98
67) Ethyl Benzene	11.74	91	1257300	51.733	ug/l	100
68) m/p-Xylenes	11.85	106	960119	104.341	ug/l	100
69) o-Xylene	12.18	106	445896	53.590	ug/l	99
70) Styrene	12.19	104	776210	53.719	ug/l	99
71) Bromoform	12.36	173	140704	53.061	ug/l #	98
73) Isopropylbenzene	12.48	105	1202633	53.872	ug/l	99
74) N-amyl acetate	12.29	43	242861	55.708	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	207303	53.815	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	123340m	48.162	ug/l	
77) Bromobenzene	12.76	156	279242	53.483	ug/l	97
78) n-propylbenzene	12.82	91	1408964	52.462	ug/l	100
79) 2-Chlorotoluene	12.91	91	791162	51.695	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1009708	53.305	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	54009	52.764	ug/l	99
82) 4-Chlorotoluene	13.01	91	844657	52.356	ug/l	99
83) tert-Butylbenzene	13.23	119	862200	55.393	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1027022	54.677	ug/l	99
85) sec-Butylbenzene	13.40	105	1169988	52.271	ug/l	100
86) p-Isopropyltoluene	13.52	119	1078027	53.432	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	531798	51.556	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	519760	50.733	ug/l	99
89) n-Butylbenzene	13.84	91	1003176	52.312	ug/l	99
90) Hexachloroethane	14.11	117	207937	50.765	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	468841	53.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	31169	50.299	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	319786	57.563	ug/l	96
94) Hexachlorobutadiene	15.27	225	171817	51.612	ug/l	98
95) Naphthalene	15.40	128	580917	61.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	270802	56.477	ug/l	98

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

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