

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091020\
 Data File : VD066628.D
 Acq On : 10 Sep 2020 22:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:18:00 AM

Quant Time: Sep 11 03:09:11 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	325776	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	561569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	516150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	234066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	228909	58.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	7.91	113	211477	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	
50) Toluene-d8	10.34	98	764685	56.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.94%	
62) 4-Bromofluorobenzene	12.63	95	252860	56.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	140341	52.354	ug/l	96
3) Chloromethane	2.21	50	197503	47.939	ug/l	99
4) Vinyl Chloride	2.35	62	215228	47.101	ug/l	98
5) Bromomethane	2.77	94	152360	53.015	ug/l	94
6) Chloroethane	2.92	64	139440	48.044	ug/l	99
7) Trichlorofluoromethane	3.27	101	335292	49.671	ug/l	90
8) Diethyl Ether	3.71	74	98415	57.897	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	181315	49.630	ug/l	99
10) Methyl Iodide	4.30	142	182068	54.263	ug/l	99
11) Tert butyl alcohol	5.22	59	67279	277.977	ug/l	99
12) 1,1-Dichloroethene	4.07	96	172028	52.412	ug/l	94
13) Acrolein	3.93	56	44305	274.905	ug/l	97
14) Allyl chloride	4.71	41	294718	54.789	ug/l	99
15) Acrylonitrile	5.42	53	225107	308.279	ug/l	100
16) Acetone	4.15	43	176117	242.840	ug/l	96
17) Carbon Disulfide	4.41	76	542540	50.281	ug/l	100
18) Methyl Acetate	4.71	43	99065	57.302	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	459155	59.654	ug/l	96
20) Methylene Chloride	4.96	84	231646	59.923	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	212645	54.558	ug/l	99
22) Diisopropyl ether	6.36	45	649242	58.692	ug/l	98
23) Vinyl Acetate	6.30	43	1902934	302.296	ug/l	98
24) 1,1-Dichloroethane	6.26	63	385392	55.402	ug/l	98
25) 2-Butanone	7.21	43	278131	285.686	ug/l	92
26) 2,2-Dichloropropane	7.21	77	308470	48.343	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	236173	56.347	ug/l	98
28) Bromochloromethane	7.55	49	152508	56.946	ug/l	100
29) Tetrahydrofuran	7.56	42	187489	309.224	ug/l	97
30) Chloroform	7.71	83	414252	56.290	ug/l	97
31) Cyclohexane	7.98	56	317277	49.341	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	367067	53.051	ug/l	99
36) 1,1-Dichloropropene	8.10	75	306466	52.439	ug/l	98
37) Ethyl Acetate	7.29	43	129176	55.508	ug/l	98
38) Carbon Tetrachloride	8.09	117	320776	51.928	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	334238	51.217	ug/l	97
40) Benzene	8.35	78	859092	53.673	ug/l	99
41) Methacrylonitrile	7.52	41	62235m	55.247	ug/l	
42) 1,2-Dichloroethane	8.42	62	273714	52.779	ug/l	99
43) Isopropyl Acetate	8.45	43	251805	56.462	ug/l	99
44) Trichloroethene	9.11	130	221589	52.778	ug/l	98
45) 1,2-Dichloropropane	9.38	63	218178	54.203	ug/l	96
46) Dibromomethane	9.47	93	121378	54.656	ug/l	97
47) Bromodichloromethane	9.66	83	327034	54.430	ug/l	97
48) Methyl methacrylate	9.45	41	125405	55.610	ug/l	95
49) 1,4-Dioxane	9.46	88	27594	1132.597	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	670317	298.029	ug/l	99
52) Toluene	10.40	92	549612	54.245	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	295771	55.764	ug/l	94
54) cis-1,3-Dichloropropene	10.08	75	346042	54.328	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	160380	56.168	ug/l	97
56) Ethyl methacrylate	10.66	69	198753	59.783	ug/l	97
57) 1,3-Dichloropropane	10.94	76	279366	55.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	398856	262.293	ug/l	98
59) 2-Hexanone	10.98	43	455836	301.375	ug/l	100
60) Dibromochloromethane	11.14	129	208777	55.294	ug/l	99
61) 1,2-Dibromoethane	11.24	107	154591	55.650	ug/l	100
64) Tetrachloroethene	10.87	164	177199	50.989	ug/l	98
65) Chlorobenzene	11.67	112	558319	52.410	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	219008	53.867	ug/l	100
67) Ethyl Benzene	11.74	91	1039360	53.135	ug/l	99
68) m/p-Xylenes	11.85	106	789114	108.648	ug/l	99
69) o-Xylene	12.18	106	355484	54.614	ug/l	98
70) Styrene	12.19	104	631879	55.839	ug/l	98
71) Bromoform	12.36	173	113816	55.547	ug/l	# 99
73) Isopropylbenzene	12.48	105	977163	56.386	ug/l	99
74) N-amyl acetate	12.29	43	231553	58.994	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	175779	57.414	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	131929m	58.607	ug/l	
77) Bromobenzene	12.76	156	215798	55.854	ug/l	98
78) n-propylbenzene	12.82	91	1172825	55.827	ug/l	100
79) 2-Chlorotoluene	12.91	91	658623	55.883	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	829617	56.877	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	53866	55.865	ug/l	96
82) 4-Chlorotoluene	13.00	91	710054	56.339	ug/l	99
83) tert-Butylbenzene	13.23	119	676834	56.823	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	829620	57.128	ug/l	99
85) sec-Butylbenzene	13.40	105	955496	55.679	ug/l	99
86) p-Isopropyltoluene	13.52	119	871237	56.406	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	416006	54.236	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	407576	52.941	ug/l	98
89) n-Butylbenzene	13.84	91	827932	55.006	ug/l	99
90) Hexachloroethane	14.11	117	177610	53.367	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	365809	54.563	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29698	57.102	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224913	55.899	ug/l	99
94) Hexachlorobutadiene	15.27	225	125624	51.970	ug/l	98
95) Naphthalene	15.40	128	444327	63.195	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	200425	58.427	ug/l	98

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

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