

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100120\
 Data File : VD066989.D
 Acq On : 01 Oct 2020 13:14
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 10/2/2020 3:13:23 PM

Quant Time: Oct 01 15:10:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:02:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	512768	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	777906	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	702808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	331544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	441217	89.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.66%	
35) Dibromofluoromethane	7.91	113	475962	93.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.92%	
50) Toluene-d8	10.34	98	1758697	94.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.54%	
62) 4-Bromofluorobenzene	12.63	95	601638	95.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	380699	81.766	ug/l	96
3) Chloromethane	2.21	50	339639	83.172	ug/l	97
4) Vinyl Chloride	2.35	62	361635	88.320	ug/l	98
5) Bromomethane	2.76	94	247299	82.862	ug/l	96
6) Chloroethane	2.92	64	214118	85.867	ug/l	94
7) Trichlorofluoromethane	3.27	101	776451	85.351	ug/l	96
8) Diethyl Ether	3.71	74	208351	92.358	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	448185	87.164	ug/l	99
10) Methyl Iodide	4.30	142	524353	104.952	ug/l	98
11) Tert butyl alcohol	5.22	59	119400	283.995	ug/l	98
12) 1,1-Dichloroethene	4.07	96	424533	87.828	ug/l	99
13) Acrolein	3.92	56	145608	440.287	ug/l	99
14) Allyl chloride	4.71	41	590484	94.034	ug/l	99
15) Acrylonitrile	5.42	53	367496	442.620	ug/l	99
16) Acetone	4.16	43	315363	418.289	ug/l	96
17) Carbon Disulfide	4.41	76	1338498	90.229	ug/l	99
18) Methyl Acetate	4.72	43	169154	89.268	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	824690	93.459	ug/l	95
20) Methylene Chloride	4.97	84	475393	69.172	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	498061	90.540	ug/l	97
22) Diisopropyl ether	6.36	45	1043461	91.020	ug/l	99
23) Vinyl Acetate	6.30	43	3175387	488.804	ug/l	99
24) 1,1-Dichloroethane	6.27	63	778111	87.949	ug/l	99
25) 2-Butanone	7.21	43	456391	426.970	ug/l	98
26) 2,2-Dichloropropane	7.21	77	716915	84.456	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	540519	92.003	ug/l	98
28) Bromochloromethane	7.54	49	321221	94.014	ug/l	99
29) Tetrahydrofuran	7.56	42	275820	448.771	ug/l	98
30) Chloroform	7.71	83	846903	88.242	ug/l	98
31) Cyclohexane	7.98	56	631590	85.151	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	788907	88.695	ug/l	98
36) 1,1-Dichloropropene	8.11	75	659273	90.922	ug/l	99
37) Ethyl Acetate	7.29	43	222342	88.515	ug/l	99
38) Carbon Tetrachloride	8.10	117	725472	92.471	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	752275	98.131	ug/l	97
40) Benzene	8.35	78	1837558	91.240	ug/l	100
41) Methacrylonitrile	7.53	41	114254	84.193	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	500723	88.974	ug/l	98
43) Isopropyl Acetate	8.45	43	430063	92.936	ug/l	99
44) Trichloroethene	9.11	130	553521	92.039	ug/l	99
45) 1,2-Dichloropropane	9.38	63	439123	92.796	ug/l	95
46) Dibromomethane	9.47	93	244180	89.779	ug/l	97
47) Bromodichloromethane	9.66	83	648197	91.684	ug/l	99
48) Methyl methacrylate	9.45	41	226373	95.486	ug/l	95
49) 1,4-Dioxane	9.46	88	49747	1752.527	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1065008	462.052	ug/l	99
52) Toluene	10.40	92	1209464	93.225	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	592075	93.703	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	719706	93.278	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	335875	88.825	ug/l	97
56) Ethyl methacrylate	10.66	69	397105	101.718	ug/l	100
57) 1,3-Dichloropropane	10.94	76	560568	91.419	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	1110606	511.118	ug/l	100
59) 2-Hexanone	10.98	43	716790	465.926	ug/l	98
60) Dibromochloromethane	11.14	129	452758	89.835	ug/l	97
61) 1,2-Dibromoethane	11.24	107	331447	91.237	ug/l	97
64) Tetrachloroethene	10.87	164	457149	89.472	ug/l	96
65) Chlorobenzene	11.67	112	1277530	91.396	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	477578	89.821	ug/l	100
67) Ethyl Benzene	11.74	91	2259395	94.339	ug/l	99
68) m/p-Xylenes	11.85	106	1755833	188.119	ug/l	99
69) o-Xylene	12.18	106	807210	96.712	ug/l	98
70) Styrene	12.20	104	1363167	95.111	ug/l	99
71) Bromoform	12.36	173	247391	89.635	ug/l #	97
73) Isopropylbenzene	12.48	105	2211455	98.233	ug/l	99
74) N-amyl acetate	12.29	43	385809	95.333	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	335051	88.334	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	219509m	77.676	ug/l	
77) Bromobenzene	12.76	156	509855	93.794	ug/l	98
78) n-propylbenzene	12.82	91	2546037	95.695	ug/l	99
79) 2-Chlorotoluene	12.91	91	1446551	95.029	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1845346	97.020	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	110449	95.352	ug/l	97
82) 4-Chlorotoluene	13.01	91	1503862	92.855	ug/l	100
83) tert-Butylbenzene	13.23	119	1568893	97.952	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1811198	95.419	ug/l	98
85) sec-Butylbenzene	13.40	105	2183530	96.805	ug/l	100
86) p-Isopropyltoluene	13.52	119	1999729	95.627	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	957333	90.416	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	951740	89.897	ug/l	99
89) n-Butylbenzene	13.85	91	1853873	97.003	ug/l	99
90) Hexachloroethane	14.11	117	350030	95.557	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	837462	90.565	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	55040	90.019	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	599651	100.255	ug/l	99
94) Hexachlorobutadiene	15.27	225	351462	95.679	ug/l	99
95) Naphthalene	15.41	128	1060951	106.344	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	513026	98.805	ug/l	99

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

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