

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067741.D
 Acq On : 23 Nov 2020 12:44
 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
 11/24/2020 2:56:33 PM

Quant Time: Nov 24 00:47:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	273144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	388078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	353042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	180523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	270033	100.59	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	201.18%#
35) Dibromofluoromethane	7.91	113	256420	103.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	206.42%#
50) Toluene-d8	10.34	98	896436	99.41	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	198.82%#
62) 4-Bromofluorobenzene	12.64	95	312220	100.78	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	201.56%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	232178	96.464	ug/l	96
3) Chloromethane	2.21	50	129794	94.886	ug/l	96
4) Vinyl Chloride	2.35	62	159021	93.136	ug/l	98
5) Bromomethane	2.76	94	132632	90.701	ug/l	97
6) Chloroethane	2.91	64	107003	94.934	ug/l	95
7) Trichlorofluoromethane	3.27	101	477485	92.387	ug/l	94
8) Diethyl Ether	3.71	74	99086	94.999	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	224981	91.367	ug/l	100
10) Methyl Iodide	4.30	142	279655	110.692	ug/l	98
11) Tert butyl alcohol	5.21	59	62526	311.883	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	215371	95.102	ug/l	97
13) Acrolein	3.92	56	57048	514.858	ug/l	90
14) Allyl chloride	4.71	41	215876	99.206	ug/l	98
15) Acrylonitrile	5.43	53	171912	486.310	ug/l	98
16) Acetone	4.16	43	165885	466.501	ug/l	99
17) Carbon Disulfide	4.41	76	634212	95.560	ug/l	100
18) Methyl Acetate	4.72	43	65581	95.565	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	488308	100.827	ug/l	100
20) Methylene Chloride	4.96	84	236948	67.215	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	244647	96.512	ug/l	96
22) Diisopropyl ether	6.37	45	418096	97.626	ug/l	98
23) Vinyl Acetate	6.30	43	1278015	525.550	ug/l	99
24) 1,1-Dichloroethane	6.26	63	352722	95.173	ug/l	100
25) 2-Butanone	7.21	43	180061	474.263	ug/l	97
26) 2,2-Dichloropropane	7.21	77	402755	92.812	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	267804	97.891	ug/l	98
28) Bromochloromethane	7.55	49	117870	99.600	ug/l	100
29) Tetrahydrofuran	7.56	42	110291	495.584	ug/l	97
30) Chloroform	7.71	83	447271	93.055	ug/l	100
31) Cyclohexane	7.98	56	284166	88.677	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	475684	92.881	ug/l	99
36) 1,1-Dichloropropene	8.11	75	326539	97.195	ug/l	99
37) Ethyl Acetate	7.30	43	88330	100.086	ug/l	96
38) Carbon Tetrachloride	8.10	117	469434	95.228	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	395934	99.236	ug/l	98
40) Benzene	8.36	78	870076	93.908	ug/l	97
41) Methacrylonitrile	7.53	41	50502m	123.212	ug/l	
42) 1,2-Dichloroethane	8.43	62	296491	95.252	ug/l	100
43) Isopropyl Acetate	8.45	43	177947	99.647	ug/l	99
44) Trichloroethene	9.11	130	295207	95.565	ug/l	98
45) 1,2-Dichloropropane	9.39	63	179733	95.408	ug/l	94
46) Dibromomethane	9.48	93	122926	97.158	ug/l	95
47) Bromodichloromethane	9.67	83	347683	97.223	ug/l	97
48) Methyl methacrylate	9.46	41	87575	98.999	ug/l	98
49) 1,4-Dioxane	9.47	88	26976	1965.795	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	415829	499.059	ug/l	98
52) Toluene	10.41	92	597893	95.662	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	307887	98.849	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	339638	96.318	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	161890	94.250	ug/l	99
56) Ethyl methacrylate	10.66	69	181244	102.097	ug/l	99
57) 1,3-Dichloropropane	10.95	76	261159	97.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	443401	534.838	ug/l	99
59) 2-Hexanone	10.99	43	297008	499.480	ug/l	98
60) Dibromochloromethane	11.14	129	251252	95.960	ug/l	99
61) 1,2-Dibromoethane	11.25	107	162640	95.761	ug/l	100
64) Tetrachloroethene	10.88	164	256166	92.282	ug/l	94
65) Chlorobenzene	11.67	112	659275	94.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	272760	97.363	ug/l	97
67) Ethyl Benzene	11.75	91	1170383	97.504	ug/l	99
68) m/p-Xylenes	11.86	106	906350	193.119	ug/l	100
69) o-Xylene	12.18	106	420536	98.543	ug/l	100
70) Styrene	12.20	104	701885	95.207	ug/l	99
71) Bromoform	12.36	173	143248	93.919	ug/l #	99
73) Isopropylbenzene	12.48	105	1171843	96.764	ug/l	99
74) N-amyl acetate	12.29	43	157879	100.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	150134	93.025	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	115955m	82.419	ug/l	
77) Bromobenzene	12.76	156	289275	95.935	ug/l	99
78) n-propylbenzene	12.83	91	1300828	96.851	ug/l	99
79) 2-Chlorotoluene	12.91	91	762162	96.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1017553	95.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51848	96.240	ug/l	94
82) 4-Chlorotoluene	13.01	91	801825	95.086	ug/l	99
83) tert-Butylbenzene	13.23	119	870059	97.125	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	1011725	96.735	ug/l	99
85) sec-Butylbenzene	13.40	105	1145074	96.797	ug/l	99
86) p-Isopropyltoluene	13.52	119	1114578	97.427	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	534378	90.943	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	540697	92.339	ug/l	100
89) n-Butylbenzene	13.84	91	942884	96.278	ug/l	100
90) Hexachloroethane	14.11	117	206650	94.793	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	478681	94.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30013	87.380	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	354444	99.040	ug/l	99
94) Hexachlorobutadiene	15.27	225	219594	95.657	ug/l	98
95) Naphthalene	15.40	128	595816	102.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	301885	99.343	ug/l	99

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

