

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091520\
 Data File : VD066699.D
 Acq On : 15 Sep 2020 15:16
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/16/2020 11:44:21 AM

Quant Time: Sep 15 16:33:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:17:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	441737	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	710274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	635944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302309	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	441483	93.67	ug/l	0.00
Spiked Amount			Recovery	=	187.34%	
35) Dibromofluoromethane	7.91	113	424311	97.44	ug/l	0.00
Spiked Amount			Recovery	=	194.88%	
50) Toluene-d8	10.34	98	1584830	102.15	ug/l	0.00
Spiked Amount			Recovery	=	204.30%	
62) 4-Bromofluorobenzene	12.63	95	532450	99.42	ug/l	0.00
Spiked Amount			Recovery	=	198.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	315386	85.412	ug/l	97
3) Chloromethane	2.21	50	423558	88.113	ug/l	98
4) Vinyl Chloride	2.35	62	450008	89.449	ug/l	97
5) Bromomethane	2.76	94	307628	86.199	ug/l	100
6) Chloroethane	2.92	64	288781	92.142	ug/l	89
7) Trichlorofluoromethane	3.27	101	800413	92.112	ug/l	99
8) Diethyl Ether	3.71	74	211144	97.036	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	437130	91.536	ug/l	99
10) Methyl Iodide	4.30	142	499215	110.178	ug/l	99
11) Tert butyl alcohol	5.22	59	135577	285.123	ug/l	97
12) 1,1-Dichloroethene	4.07	96	417201	94.388	ug/l	96
13) Acrolein	3.92	56	150140	451.681	ug/l	94
14) Allyl chloride	4.71	41	704054	99.184	ug/l	98
15) Acrylonitrile	5.42	53	460976	483.609	ug/l	99
16) Acetone	4.15	43	419934	437.539	ug/l	99
17) Carbon Disulfide	4.41	76	1341495	96.586	ug/l	97
18) Methyl Acetate	4.71	43	200194	86.409	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	998063	101.375	ug/l	100
20) Methylene Chloride	4.96	84	490386	75.438	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	497072	96.525	ug/l	99
22) Diisopropyl ether	6.36	45	1418260	98.330	ug/l	98
23) Vinyl Acetate	6.30	43	4166479	519.316	ug/l	98
24) 1,1-Dichloroethane	6.27	63	874251	95.518	ug/l	98
25) 2-Butanone	7.21	43	590803	472.736	ug/l	97
26) 2,2-Dichloropropane	7.20	77	783027	92.516	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	540874	96.006	ug/l	96
28) Bromochloromethane	7.54	49	306818	89.748	ug/l	98
29) Tetrahydrofuran	7.56	42	372503	487.161	ug/l	97
30) Chloroform	7.71	83	906934	93.104	ug/l	96
31) Cyclohexane	7.98	56	779582	93.641	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	852557	95.645	ug/l	99
36) 1,1-Dichloropropene	8.11	75	718217	98.351	ug/l	99
37) Ethyl Acetate	7.29	43	268770	97.219	ug/l	97
38) Carbon Tetrachloride	8.10	117	769775	99.262	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	875264	104.785	ug/l	99
40) Benzene	8.35	78	1968675	99.646	ug/l	100
41) Methacrylonitrile	7.53	41	169770	126.835	ug/l #	84
42) 1,2-Dichloroethane	8.42	62	587236	95.941	ug/l	100
43) Isopropyl Acetate	8.45	43	518987	99.737	ug/l	99
44) Trichloroethene	9.11	130	528061	99.967	ug/l	100
45) 1,2-Dichloropropane	9.38	63	482209	98.729	ug/l	97
46) Dibromomethane	9.47	93	264510	98.556	ug/l	99
47) Bromodichloromethane	9.66	83	723138	98.879	ug/l	97
48) Methyl methacrylate	9.45	41	260587	98.454	ug/l	92
49) 1,4-Dioxane	9.46	88	56622	1969.491	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	1334508	498.142	ug/l	99
52) Toluene	10.40	92	1311313	103.609	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	666270	101.982	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	789602	101.755	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	343383	97.039	ug/l	97
56) Ethyl methacrylate	10.66	69	435939	108.561	ug/l	99
57) 1,3-Dichloropropane	10.94	76	602458	97.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	825398	468.010	ug/l	97
59) 2-Hexanone	10.98	43	904193	502.318	ug/l	97
60) Dibromochloromethane	11.14	129	462564	100.322	ug/l	97
61) 1,2-Dibromoethane	11.24	107	335371	98.800	ug/l	100
64) Tetrachloroethene	10.87	164	419237	96.572	ug/l	96
65) Chlorobenzene	11.67	112	1298940	98.653	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	496463	102.194	ug/l	97
67) Ethyl Benzene	11.74	91	2510044	105.247	ug/l	100
68) m/p-Xylenes	11.85	106	1910178	211.918	ug/l	98
69) o-Xylene	12.18	106	867245	108.876	ug/l	97
70) Styrene	12.20	104	1525797	108.833	ug/l	99
71) Bromoform	12.36	173	244930	100.462	ug/l #	99
73) Isopropylbenzene	12.48	105	2405139	106.572	ug/l	100
74) N-amyl acetate	12.29	43	486927	102.282	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	366220	95.497	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	238641m	93.271	ug/l	
77) Bromobenzene	12.76	156	513507	98.722	ug/l	98
78) n-propylbenzene	12.82	91	2890700	105.075	ug/l	99
79) 2-Chlorotoluene	12.91	91	1594953	102.530	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	2036574	106.728	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	119786	99.905	ug/l	99
82) 4-Chlorotoluene	13.01	91	1666127	101.294	ug/l	100
83) tert-Butylbenzene	13.23	119	1690057	107.459	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	2035822	106.756	ug/l	100
85) sec-Butylbenzene	13.40	105	2398282	106.367	ug/l	100
86) p-Isopropyltoluene	13.52	119	2216222	108.117	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	1012512	101.461	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	980650	98.683	ug/l	98
89) n-Butylbenzene	13.84	91	2092779	107.370	ug/l	99
90) Hexachloroethane	14.11	117	423137	100.485	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	859256	100.488	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	58008	93.575	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	541021	104.611	ug/l	98
94) Hexachlorobutadiene	15.27	225	314450	100.917	ug/l	99
95) Naphthalene	15.40	128	989997	109.561	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	461508	102.164	ug/l	98

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

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