

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110320\
 Data File : VD067506.D
 Acq On : 03 Nov 2020 12:30
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:43:29 AM

Quant Time: Nov 04 00:47:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:25:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	343545	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	507927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	457602	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	221291	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	394557	131.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	262.70%	
35) Dibromofluoromethane	7.92	113	414148	135.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	270.66%	
50) Toluene-d8	10.34	98	1425685	132.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	265.14%	
62) 4-Bromofluorobenzene	12.64	95	512646	138.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	389182	123.886	ug/l	96
3) Chloromethane	2.21	50	291732	136.366	ug/l	100
4) Vinyl Chloride	2.35	62	323304	135.549	ug/l	96
5) Bromomethane	2.76	94	251405	130.045	ug/l	92
6) Chloroethane	2.92	64	198564	135.033	ug/l	99
7) Trichlorofluoromethane	3.27	101	830912	134.544	ug/l	95
8) Diethyl Ether	3.71	74	182020	146.271	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	428391	137.422	ug/l	99
10) Methyl Iodide	4.30	142	554699	166.022	ug/l	98
11) Tert butyl alcohol	5.22	59	93577	615.232	ug/l #	92
12) 1,1-Dichloroethene	4.07	96	403751	140.807	ug/l	96
13) Acrolein	3.93	56	108676	995.728	ug/l	96
14) Allyl chloride	4.71	41	459274	149.657	ug/l	98
15) Acrylonitrile	5.43	53	330001	717.393	ug/l	98
16) Acetone	4.16	43	327933	729.517	ug/l	99
17) Carbon Disulfide	4.41	76	1238236	140.925	ug/l	100
18) Methyl Acetate	4.71	43	129273	139.166	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	863702	152.706	ug/l	95
20) Methylene Chloride	4.97	84	419035	131.965	ug/l	97
21) trans-1,2-Dichloroethene	5.48	96	462453	138.469	ug/l	97
22) Diisopropyl ether	6.37	45	865950	144.800	ug/l	99
23) Vinyl Acetate	6.31	43	2517481	802.672	ug/l	100
24) 1,1-Dichloroethane	6.27	63	692978	141.643	ug/l	99
25) 2-Butanone	7.22	43	357433	744.149	ug/l	93
26) 2,2-Dichloropropane	7.21	77	724441	140.302	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	498315	143.750	ug/l	98
28) Bromochloromethane	7.55	49	263966	151.682	ug/l	97
29) Tetrahydrofuran	7.57	42	219819	764.013	ug/l	98
30) Chloroform	7.71	83	819914	140.476	ug/l	100
31) Cyclohexane	7.99	56	565054	129.695	ug/l	94
32) 1,1,1-Trichloroethane	7.91	97	834487	138.569	ug/l	99
36) 1,1-Dichloropropene	8.11	75	616803	141.866	ug/l	98
37) Ethyl Acetate	7.30	43	162451	143.923	ug/l	100
38) Carbon Tetrachloride	8.10	117	792671	140.322	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	762247	148.957	ug/l	95
40) Benzene	8.36	78	1644783	139.659	ug/l	98
41) Methacrylonitrile	7.53	41	103126	181.634	ug/l	89
42) 1,2-Dichloroethane	8.43	62	510084	140.182	ug/l	100
43) Isopropyl Acetate	8.46	43	336427	150.706	ug/l	98
44) Trichloroethene	9.12	130	540808	139.657	ug/l	94
45) 1,2-Dichloropropane	9.39	63	359384	141.141	ug/l	96
46) Dibromomethane	9.48	93	224770	138.833	ug/l	99
47) Bromodichloromethane	9.67	83	622233	141.402	ug/l	95
48) Methyl methacrylate	9.46	41	180376	156.494	ug/l	96
49) 1,4-Dioxane	9.47	88	45538	2770.690	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	788416	738.477	ug/l	99
52) Toluene	10.41	92	1127796	142.971	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	561529	148.994	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	652146	145.641	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	300210	140.145	ug/l	99
56) Ethyl methacrylate	10.67	69	343961	155.490	ug/l	99
57) 1,3-Dichloropropane	10.95	76	497490	144.322	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	758008	734.807	ug/l	99
59) 2-Hexanone	10.99	43	567794	760.624	ug/l	100
60) Dibromochloromethane	11.14	129	448963	141.683	ug/l	99
61) 1,2-Dibromoethane	11.25	107	301896	140.421	ug/l	96
64) Tetrachloroethene	10.88	164	455712	134.469	ug/l	99
65) Chlorobenzene	11.68	112	1225171	138.992	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	487824	140.415	ug/l	99
67) Ethyl Benzene	11.75	91	2193398	145.416	ug/l	97
68) m/p-Xylenes	11.86	106	1671075	284.768	ug/l	99
69) o-Xylene	12.18	106	769495	146.871	ug/l	99
70) Styrene	12.20	104	1302510	142.670	ug/l	98
71) Bromoform	12.37	173	256067	144.520	ug/l #	100
73) Isopropylbenzene	12.48	105	2147344	150.146	ug/l	100
74) N-amyl acetate	12.30	43	303097	161.062	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	280893	144.034	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	221035m	158.391	ug/l	
77) Bromobenzene	12.77	156	512600	145.944	ug/l	99
78) n-propylbenzene	12.83	91	2411854	147.436	ug/l	100
79) 2-Chlorotoluene	12.91	91	1378411	148.337	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1820104	148.979	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	97660	148.526	ug/l	97
82) 4-Chlorotoluene	13.01	91	1445219	145.012	ug/l	99
83) tert-Butylbenzene	13.23	119	1594202	153.967	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1807048	148.592	ug/l	100
85) sec-Butylbenzene	13.41	105	2098871	150.160	ug/l	99
86) p-Isopropyltoluene	13.52	119	1988804	147.343	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	960740	143.352	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	937641	138.168	ug/l	99
89) n-Butylbenzene	13.85	91	1756240	150.636	ug/l	99
90) Hexachloroethane	14.12	117	386018	151.865	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	827347	142.638	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	53657	155.397	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	594378	150.980	ug/l	99
94) Hexachlorobutadiene	15.27	225	373750	141.853	ug/l	99
95) Naphthalene	15.41	128	1011200	166.441	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	507260	150.468	ug/l	99

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

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