

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111620\
 Data File : VD067630.D
 Acq On : 16 Nov 2020 10:11
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/17/2020 6:57:41 PM

Quant Time: Nov 17 01:12:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	289954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404675	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	363069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	119539	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	7.92	113	123028	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
50) Toluene-d8	10.34	98	419930	49.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.02%	
62) 4-Bromofluorobenzene	12.64	95	152575	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118570	50.570	ug/l	98
3) Chloromethane	2.21	50	74012	40.990	ug/l	99
4) Vinyl Chloride	2.35	62	87476	43.454	ug/l	93
5) Bromomethane	2.77	94	73764	45.208	ug/l	99
6) Chloroethane	2.93	64	58141	46.846	ug/l	98
7) Trichlorofluoromethane	3.28	101	265737	50.982	ug/l	94
8) Diethyl Ether	3.71	74	50225	47.821	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	132217	50.252	ug/l	98
10) Methyl Iodide	4.30	142	141247	50.089	ug/l	99
11) Tert butyl alcohol	5.21	59	30292	279.650	ug/l	97
12) 1,1-Dichloroethene	4.07	96	117553	48.573	ug/l	97
13) Acrolein	3.92	56	27433	244.486	ug/l	98
14) Allyl chloride	4.72	41	127717	49.309	ug/l	99
15) Acrylonitrile	5.42	53	92809	239.049	ug/l	99
16) Acetone	4.15	43	100509	264.917	ug/l	97
17) Carbon Disulfide	4.41	76	342189	46.143	ug/l	99
18) Methyl Acetate	4.71	43	36332	46.341	ug/l	94
19) Methyl tert-butyl Ether	5.49	73	244270	51.170	ug/l	99
20) Methylene Chloride	4.97	84	124922	46.612	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	138535	49.147	ug/l	99
22) Diisopropyl ether	6.36	45	251238	49.775	ug/l #	92
23) Vinyl Acetate	6.31	43	681325	257.875	ug/l	99
24) 1,1-Dichloroethane	6.27	63	203772	49.348	ug/l	95
25) 2-Butanone	7.21	43	95190	234.807	ug/l	92
26) 2,2-Dichloropropane	7.21	77	229956	52.767	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	150452	51.423	ug/l	98
28) Bromochloromethane	7.55	49	69601	47.387	ug/l	98
29) Tetrahydrofuran	7.57	42	60060	247.329	ug/l	98
30) Chloroform	7.71	83	253210	51.401	ug/l	98
31) Cyclohexane	7.99	56	167554	45.566	ug/l #	81
32) 1,1,1-Trichloroethane	7.91	97	260975	51.345	ug/l	100
36) 1,1-Dichloropropene	8.11	75	183838	53.072	ug/l	100
37) Ethyl Acetate	7.29	43	44928	49.958	ug/l	97
38) Carbon Tetrachloride	8.10	117	252679	56.143	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	221922	54.433	ug/l	99
40) Benzene	8.36	78	500304	53.320	ug/l	99
41) Methacrylonitrile	7.52	41	23875	44.414	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	157819	54.438	ug/l	98
43) Isopropyl Acetate	8.46	43	91223	51.291	ug/l	99
44) Trichloroethene	9.11	130	162429	52.648	ug/l	99
45) 1,2-Dichloropropane	9.39	63	106539	52.517	ug/l	93
46) Dibromomethane	9.48	93	67311	52.184	ug/l	97
47) Bromodichloromethane	9.67	83	191733	54.688	ug/l	99
48) Methyl methacrylate	9.46	41	44076	47.997	ug/l	89
49) 1,4-Dioxane	9.46	88	13202	1008.205	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	228209	268.293	ug/l	99
52) Toluene	10.41	92	348653	55.476	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	168207	56.019	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	186236	52.203	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	90664	53.123	ug/l	96
56) Ethyl methacrylate	10.66	69	95349	54.101	ug/l	97
57) 1,3-Dichloropropane	10.95	76	145237	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	202500	246.388	ug/l	97
59) 2-Hexanone	10.99	43	169638	285.231	ug/l	96
60) Dibromochloromethane	11.14	129	136089	53.904	ug/l	97
61) 1,2-Dibromoethane	11.25	107	90610	52.899	ug/l	99
64) Tetrachloroethene	10.88	164	142117	52.854	ug/l	98
65) Chlorobenzene	11.67	112	378564	54.129	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	149004	54.056	ug/l	99
67) Ethyl Benzene	11.75	91	672337	56.180	ug/l	99
68) m/p-Xylenes	11.86	106	517429	111.133	ug/l	99
69) o-Xylene	12.18	106	236574	56.911	ug/l	97
70) Styrene	12.20	104	405281	55.951	ug/l	98
71) Bromoform	12.37	173	77306	54.990	ug/l #	98
73) Isopropylbenzene	12.48	105	680580	57.183	ug/l	99
74) N-amyl acetate	12.29	43	82505	52.682	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	85032	52.394	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	52872m	47.592	ug/l	
77) Bromobenzene	12.77	156	160297	54.841	ug/l	97
78) n-propylbenzene	12.83	91	766085	56.274	ug/l	100
79) 2-Chlorotoluene	12.91	91	431094	55.746	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	587888	57.823	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29515	53.939	ug/l	97
82) 4-Chlorotoluene	13.01	91	463750	55.915	ug/l	100
83) tert-Butylbenzene	13.23	119	499878	58.013	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	572943	56.613	ug/l	98
85) sec-Butylbenzene	13.41	105	663197	57.015	ug/l	100
86) p-Isopropyltoluene	13.52	119	641923	57.147	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	311064	55.773	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	303035	53.659	ug/l	100
89) n-Butylbenzene	13.85	91	555701	57.275	ug/l	99
90) Hexachloroethane	14.11	117	118166	55.862	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	265183	54.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16292	56.698	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	186202	56.835	ug/l	99
94) Hexachlorobutadiene	15.27	225	120586	54.996	ug/l	99
95) Naphthalene	15.41	128	288488	57.059	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	152511	54.361	ug/l	98

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

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