

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112020\
 Data File : VD067734.D
 Acq On : 20 Nov 2020 19:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/23/2020 1:41:43 PM

Quant Time: Nov 21 01:36:59 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	244411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	363923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173416	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	105835	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
35) Dibromofluoromethane	7.91	113	99855	45.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.08%	
50) Toluene-d8	10.34	98	334050	43.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.70%	
62) 4-Bromofluorobenzene	12.64	95	127829	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	89523	44.774	ug/l	98
3) Chloromethane	2.21	50	55260	36.308	ug/l	95
4) Vinyl Chloride	2.35	62	66414	39.139	ug/l	95
5) Bromomethane	2.77	94	57280	41.647	ug/l	96
6) Chloroethane	2.92	64	45427	43.423	ug/l	100
7) Trichlorofluoromethane	3.27	101	204608	46.569	ug/l	93
8) Diethyl Ether	3.71	74	46452	52.470	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	97598	44.007	ug/l	97
10) Methyl Iodide	4.30	142	100843	42.424	ug/l	98
11) Tert butyl alcohol	5.22	59	30731	341.039	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	92502	45.344	ug/l	95
13) Acrolein	3.92	56	20721	222.025	ug/l	100
14) Allyl chloride	4.71	41	96115	44.023	ug/l	92
15) Acrylonitrile	5.42	53	86820	265.292	ug/l	99
16) Acetone	4.16	43	71720	224.261	ug/l	97
17) Carbon Disulfide	4.41	76	250208	40.027	ug/l	100
18) Methyl Acetate	4.71	43	37113	56.158	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	232496	57.779	ug/l	99
20) Methylene Chloride	4.97	84	114269	50.582	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	113785	47.889	ug/l	91
22) Diisopropyl ether	6.37	45	212413	49.925	ug/l	95
23) Vinyl Acetate	6.31	43	592551	266.066	ug/l	98
24) 1,1-Dichloroethane	6.26	63	173259	49.778	ug/l	99
25) 2-Butanone	7.22	43	93895	274.771	ug/l	99
26) 2,2-Dichloropropane	7.21	77	178499	48.591	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	126599	51.333	ug/l	99
28) Bromochloromethane	7.56	49	62234	50.266	ug/l	92
29) Tetrahydrofuran	7.56	42	56202	274.568	ug/l	94
30) Chloroform	7.71	83	220592	53.123	ug/l	98
31) Cyclohexane	7.98	56	123089	39.711	ug/l #	89
32) 1,1,1-Trichloroethane	7.90	97	219032	51.123	ug/l	99
36) 1,1-Dichloropropene	8.11	75	144732	46.461	ug/l	99
37) Ethyl Acetate	7.30	43	40979	50.670	ug/l	98
38) Carbon Tetrachloride	8.10	117	205985	50.893	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165699	45.194	ug/l	97
40) Benzene	8.36	78	417447	49.471	ug/l	99
41) Methacrylonitrile	7.52	41	25667m	53.094	ug/l	
42) 1,2-Dichloroethane	8.43	62	145508	55.812	ug/l	98
43) Isopropyl Acetate	8.46	43	85525	53.472	ug/l	98
44) Trichloroethene	9.11	130	138211	49.814	ug/l	85
45) 1,2-Dichloropropane	9.39	63	88905	48.732	ug/l	99
46) Dibromomethane	9.48	93	63111	54.406	ug/l	97
47) Bromodichloromethane	9.67	83	171945	54.536	ug/l	98
48) Methyl methacrylate	9.46	41	41925	50.767	ug/l #	82
49) 1,4-Dioxane	9.47	88	13874	1178.169	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	214049	279.825	ug/l	99
52) Toluene	10.41	92	293700	51.965	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	148702	55.069	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	166412	51.870	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	84288	54.918	ug/l	98
56) Ethyl methacrylate	10.66	69	89584	56.522	ug/l #	95
57) 1,3-Dichloropropane	10.95	76	130347	52.777	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	204819	277.116	ug/l	96
59) 2-Hexanone	10.98	43	144658	270.467	ug/l	98
60) Dibromochloromethane	11.14	129	128310	56.514	ug/l	98
61) 1,2-Dibromoethane	11.25	107	81079	52.635	ug/l	97
64) Tetrachloroethene	10.88	164	121284	48.956	ug/l	98
65) Chlorobenzene	11.67	112	330425	51.278	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	136699	53.825	ug/l	99
67) Ethyl Benzene	11.75	91	564117	51.160	ug/l	99
68) m/p-Xylenes	11.86	106	439063	102.350	ug/l	99
69) o-Xylene	12.18	106	203968	53.255	ug/l	99
70) Styrene	12.20	104	352029	52.747	ug/l	99
71) Bromoform	12.36	173	74675	57.652	ug/l #	98
73) Isopropylbenzene	12.48	105	563578	50.285	ug/l	99
74) N-amyl acetate	12.29	43	74174	50.296	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	77802	50.908	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	47544m	45.447	ug/l	
77) Bromobenzene	12.77	156	143235	52.039	ug/l	97
78) n-propylbenzene	12.83	91	624813	48.739	ug/l	99
79) 2-Chlorotoluene	12.91	91	370910	50.935	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	493471	51.543	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	25382	49.259	ug/l	96
82) 4-Chlorotoluene	13.01	91	393230	50.349	ug/l	100
83) tert-Butylbenzene	13.23	119	408971	50.403	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	495606	52.004	ug/l	99
85) sec-Butylbenzene	13.40	105	542871	49.561	ug/l	98
86) p-Isopropyltoluene	13.52	119	528429	49.957	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	264767	50.412	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	266072	50.032	ug/l	100
89) n-Butylbenzene	13.84	91	441017	48.270	ug/l	99
90) Hexachloroethane	14.11	117	101974	51.193	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	235582	51.828	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16133	59.622	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	164034	53.170	ug/l	99
94) Hexachlorobutadiene	15.27	225	101093	48.961	ug/l	96
95) Naphthalene	15.40	128	284375	59.730	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	147898	55.982	ug/l	99

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

