

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067555.D
 Acq On : 09 Nov 2020 10:05
 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
 11/10/2020 1:11:46 PM

Quant Time: Nov 10 00:28:42 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	314769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	438996	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	400307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	204226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124525	45.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.48%	
35) Dibromofluoromethane	7.92	113	128190	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
50) Toluene-d8	10.34	98	440619	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
62) 4-Bromofluorobenzene	12.64	95	157801	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130878	51.502	ug/l	97
3) Chloromethane	2.21	50	85503	43.621	ug/l	99
4) Vinyl Chloride	2.35	62	98090	44.885	ug/l	98
5) Bromomethane	2.77	94	79496	44.880	ug/l	89
6) Chloroethane	2.92	64	61244	45.456	ug/l	99
7) Trichlorofluoromethane	3.27	101	283748	50.146	ug/l	92
8) Diethyl Ether	3.71	74	54779	48.045	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.10	101	139581	48.869	ug/l	97
10) Methyl Iodide	4.30	142	144906	47.335	ug/l	99
11) Tert butyl alcohol	5.21	59	31166	263.887	ug/l #	88
12) 1,1-Dichloroethene	4.06	96	126848	48.282	ug/l	97
13) Acrolein	3.93	56	38082	304.732	ug/l	97
14) Allyl chloride	4.71	41	127190	45.235	ug/l	93
15) Acrylonitrile	5.41	53	105578	250.500	ug/l	99
16) Acetone	4.15	43	123083	298.841	ug/l	98
17) Carbon Disulfide	4.41	76	374230	46.485	ug/l	99
18) Methyl Acetate	4.72	43	40955	48.120	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	264632	51.065	ug/l	96
20) Methylene Chloride	4.97	84	136839	47.034	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	145608	47.584	ug/l	97
22) Diisopropyl ether	6.36	45	266572	48.650	ug/l	97
23) Vinyl Acetate	6.30	43	734730	256.165	ug/l	100
24) 1,1-Dichloroethane	6.26	63	209963	46.839	ug/l	96
25) 2-Butanone	7.21	43	112526	255.688	ug/l	99
26) 2,2-Dichloropropane	7.21	77	237873	50.280	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	151699	47.762	ug/l	95
28) Bromochloromethane	7.54	49	75436	47.310	ug/l	93
29) Tetrahydrofuran	7.56	42	67356	255.507	ug/l	97
30) Chloroform	7.71	83	264753	49.507	ug/l	100
31) Cyclohexane	7.99	56	181148	45.379	ug/l #	81
32) 1,1,1-Trichloroethane	7.90	97	275823	49.988	ug/l	99
36) 1,1-Dichloropropene	8.11	75	197340	52.516	ug/l	99
37) Ethyl Acetate	7.29	43	51585	52.876	ug/l	97
38) Carbon Tetrachloride	8.10	117	267237	54.736	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	239585	54.171	ug/l	97
40) Benzene	8.35	78	522575	51.339	ug/l	98
41) Methacrylonitrile	7.52	41	26115m	44.783	ug/l	
42) 1,2-Dichloroethane	8.43	62	165317	52.566	ug/l	100
43) Isopropyl Acetate	8.46	43	99733	51.691	ug/l	99
44) Trichloroethene	9.11	130	170574	50.965	ug/l	94
45) 1,2-Dichloropropane	9.39	63	110260	50.102	ug/l	94
46) Dibromomethane	9.48	93	71984	51.443	ug/l	97
47) Bromodichloromethane	9.66	83	197637	51.965	ug/l	95
48) Methyl methacrylate	9.46	41	55647	55.860	ug/l	99
49) 1,4-Dioxane	9.46	88	14631	1029.980	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	251233	272.269	ug/l	99
52) Toluene	10.41	92	362085	53.109	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	181656	55.768	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	197871	51.128	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	95826	51.758	ug/l	97
56) Ethyl methacrylate	10.66	69	104496	54.656	ug/l	97
57) 1,3-Dichloropropane	10.95	76	157054	52.715	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	235434	264.064	ug/l	98
59) 2-Hexanone	10.98	43	196826	305.072	ug/l	98
60) Dibromochloromethane	11.14	129	150567	54.976	ug/l	100
61) 1,2-Dibromoethane	11.25	107	95264	51.268	ug/l	99
64) Tetrachloroethene	10.88	164	154369	52.070	ug/l	96
65) Chlorobenzene	11.67	112	389595	50.525	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	158456	52.138	ug/l	99
67) Ethyl Benzene	11.75	91	707262	53.601	ug/l	99
68) m/p-Xylenes	11.86	106	542600	105.699	ug/l	99
69) o-Xylene	12.18	106	243571	53.143	ug/l	98
70) Styrene	12.20	104	423900	53.077	ug/l	99
71) Bromoform	12.37	173	82602	53.292	ug/l #	97
73) Isopropylbenzene	12.48	105	704595	53.383	ug/l	99
74) N-amyl acetate	12.29	43	90369	52.033	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	92955	51.647	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	68742m	55.797	ug/l	
77) Bromobenzene	12.77	156	166785	51.454	ug/l	98
78) n-propylbenzene	12.83	91	803592	53.228	ug/l	100
79) 2-Chlorotoluene	12.91	91	456258	53.203	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	609077	54.020	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31079	51.216	ug/l	98
82) 4-Chlorotoluene	13.01	91	485809	52.819	ug/l	98
83) tert-Butylbenzene	13.23	119	532133	55.688	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	605076	53.913	ug/l	100
85) sec-Butylbenzene	13.40	105	706182	54.744	ug/l	100
86) p-Isopropyltoluene	13.52	119	676278	54.290	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	318681	51.524	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	316002	50.456	ug/l	99
89) n-Butylbenzene	13.84	91	590182	54.851	ug/l	100
90) Hexachloroethane	14.11	117	125355	53.437	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	275710	51.505	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17218	54.032	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	198577	54.656	ug/l	99
94) Hexachlorobutadiene	15.27	225	126704	52.107	ug/l	99
95) Naphthalene	15.40	128	318542	56.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	168731	54.233	ug/l	99

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

