

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064857.D
 Acq On : 17 Jan 2020 12:17
 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
 1/20/2020 11:14:08 AM

Quant Time: Jan 17 23:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	383962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	553117	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478486	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	243415	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	176544	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
35) Dibromofluoromethane	7.92	113	179707	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	
50) Toluene-d8	10.34	98	651991	50.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.64	95	212471	51.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	127093	42.592	ug/l	99
3) Chloromethane	2.21	50	191374	45.858	ug/l	99
4) Vinyl Chloride	2.35	62	223057	43.837	ug/l	97
5) Bromomethane	2.77	94	147404	39.842	ug/l	93
6) Chloroethane	2.92	64	153461	45.010	ug/l	94
7) Trichlorofluoromethane	3.27	101	372602	43.490	ug/l	100
8) Diethyl Ether	3.70	74	84012	49.380	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	184979	52.133	ug/l	98
10) Methyl Iodide	4.30	142	187852	49.288	ug/l	98
11) Tert butyl alcohol	5.24	59	53821	277.374	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	167439	49.567	ug/l	96
13) Acrolein	3.93	56	32324	119.532	ug/l	96
14) Allyl chloride	4.71	41	284147	53.950	ug/l	98
15) Acrylonitrile	5.43	53	181500	256.117	ug/l	98
16) Acetone	4.16	43	217930	314.645	ug/l #	88
17) Carbon Disulfide	4.40	76	481161	44.051	ug/l	98
18) Methyl Acetate	4.72	43	95578	50.142	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	391339	52.157	ug/l	99
20) Methylene Chloride	4.96	84	194065	56.700	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	192316	49.990	ug/l	96
22) Diisopropyl ether	6.37	45	569538	54.216	ug/l	98
23) Vinyl Acetate	6.31	43	1595516	267.744	ug/l	99
24) 1,1-Dichloroethane	6.27	63	345121	54.724	ug/l	100
25) 2-Butanone	7.22	43	252052	270.832	ug/l	98
26) 2,2-Dichloropropane	7.21	77	319438	54.479	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	215686	51.949	ug/l	97
28) Bromochloromethane	7.55	49	134579	54.896	ug/l	99
29) Tetrahydrofuran	7.57	42	145728	251.797	ug/l	95
30) Chloroform	7.71	83	356330	53.854	ug/l	99
31) Cyclohexane	7.99	56	296029	46.893	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	333217	53.617	ug/l	99
36) 1,1-Dichloropropene	8.11	75	272550	51.195	ug/l	99
37) Ethyl Acetate	7.30	43	103150	49.320	ug/l	96
38) Carbon Tetrachloride	8.10	117	305547	53.825	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	319285	49.517	ug/l	96
40) Benzene	8.35	78	764847	52.628	ug/l	97
41) Methacrylonitrile	7.53	41	64238	52.938	ug/l	98
42) 1,2-Dichloroethane	8.43	62	222724	53.033	ug/l	99
43) Isopropyl Acetate	8.46	43	212183	50.971	ug/l	99
44) Trichloroethene	9.11	130	218563	51.193	ug/l	100
45) 1,2-Dichloropropane	9.39	63	187208	53.951	ug/l	100
46) Dibromomethane	9.48	93	99028	51.187	ug/l	98
47) Bromodichloromethane	9.67	83	274788	53.377	ug/l	96
48) Methyl methacrylate	9.46	41	98787	50.399	ug/l	94
49) 1,4-Dioxane	9.47	88	22195	994.947	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	523956	254.645	ug/l	99
52) Toluene	10.41	92	497398	52.166	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	257375	53.624	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	302247	53.406	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	133767	51.306	ug/l	96
56) Ethyl methacrylate	10.67	69	168114	51.630	ug/l	97
57) 1,3-Dichloropropane	10.95	76	232719	51.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	298834	240.887	ug/l	100
59) 2-Hexanone	10.99	43	394532	282.508	ug/l	99
60) Dibromochloromethane	11.14	129	184806	51.257	ug/l	100
61) 1,2-Dibromoethane	11.25	107	128601	50.008	ug/l	100
64) Tetrachloroethene	10.88	164	183619	50.021	ug/l	98
65) Chlorobenzene	11.67	112	525977	52.964	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	202609	54.119	ug/l	99
67) Ethyl Benzene	11.75	91	966504	53.620	ug/l	100
68) m/p-Xylenes	11.86	106	742560	106.730	ug/l	99
69) o-Xylene	12.18	106	327417	52.101	ug/l	97
70) Styrene	12.20	104	597422	54.160	ug/l	99
71) Bromoform	12.37	173	108255	50.705	ug/l #	98
73) Isopropylbenzene	12.48	105	925378	53.198	ug/l	99
74) N-amyl acetate	12.30	43	192443	51.754	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	139185	50.935	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	90423m	47.043	ug/l	
77) Bromobenzene	12.77	156	216843	50.733	ug/l	98
78) n-propylbenzene	12.83	91	1084714	53.452	ug/l	99
79) 2-Chlorotoluene	12.91	91	586993	52.655	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	751843	52.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	47762	51.969	ug/l	98
82) 4-Chlorotoluene	13.01	91	615071	51.845	ug/l	98
83) tert-Butylbenzene	13.23	119	652331	52.580	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	753845	52.972	ug/l	98
85) sec-Butylbenzene	13.41	105	912430	53.645	ug/l	99
86) p-Isopropyltoluene	13.53	119	862444	53.029	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	422836	51.894	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	404633	50.551	ug/l	98
89) n-Butylbenzene	13.85	91	772710	52.760	ug/l	99
90) Hexachloroethane	14.12	117	164508	52.953	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	352916	50.795	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20621	46.550	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	257750	50.383	ug/l	97
94) Hexachlorobutadiene	15.28	225	159022	49.397	ug/l	99
95) Naphthalene	15.41	128	391912	48.424	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215828	49.418	ug/l	98

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

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