

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064305.D
 Acq On : 20 Nov 2019 10:59
 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
 11/22/2019 12:52:14 AM

Quant Time: Nov 20 13:06:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	671575	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	931645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	783688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	382786	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	253037	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	7.92	113	273764	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
50) Toluene-d8	10.34	98	1019058	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
62) 4-Bromofluorobenzene	12.64	95	324063	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	251831	45.213	ug/l	99
3) Chloromethane	2.21	50	289456	48.450	ug/l	97
4) Vinyl Chloride	2.35	62	357849	56.012	ug/l	98
5) Bromomethane	2.77	94	240868	59.706	ug/l	99
6) Chloroethane	2.93	64	240564	58.928	ug/l	97
7) Trichlorofluoromethane	3.27	101	619121	59.771	ug/l	97
8) Diethyl Ether	3.71	74	127381	44.725	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	289025	48.819	ug/l	99
10) Methyl Iodide	4.29	142	318049	47.181	ug/l	99
11) Tert butyl alcohol	5.24	59	77656	201.297	ug/l	99
12) 1,1-Dichloroethene	4.06	96	271376	48.090	ug/l	97
13) Acrolein	3.93	56	86603	265.361	ug/l	100
14) Allyl chloride	4.71	41	427083	42.805	ug/l	94
15) Acrylonitrile	5.43	53	260389	214.458	ug/l	99
16) Acetone	4.17	43	310754	237.493	ug/l	95
17) Carbon Disulfide	4.40	76	791087	45.015	ug/l	99
18) Methyl Acetate	4.73	43	148849	40.729	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	571514	42.424	ug/l	97
20) Methylene Chloride	4.96	84	270729	40.960	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	301992	47.235	ug/l	93
22) Diisopropyl ether	6.37	45	805545	43.514	ug/l	98
23) Vinyl Acetate	6.31	43	2257115	218.727	ug/l	98
24) 1,1-Dichloroethane	6.27	63	498286	46.357	ug/l	98
25) 2-Butanone	7.22	43	356579	210.934	ug/l	94
26) 2,2-Dichloropropane	7.21	77	474487	45.012	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	325206	47.432	ug/l	95
28) Bromochloromethane	7.55	49	188009	50.240	ug/l	96
29) Tetrahydrofuran	7.57	42	204196	201.045	ug/l	97
30) Chloroform	7.71	83	525542	47.798	ug/l	100
31) Cyclohexane	7.98	56	466635	43.046	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	496398	47.150	ug/l	100
36) 1,1-Dichloropropene	8.11	75	416077	48.391	ug/l	100
37) Ethyl Acetate	7.30	43	141610	39.067	ug/l	98
38) Carbon Tetrachloride	8.09	117	453786	49.323	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	526157	48.360	ug/l	95
40) Benzene	8.35	78	1115169	47.456	ug/l	97
41) Methacrylonitrile	7.53	41	89673	39.360	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	309056	43.789	ug/l	99
43) Isopropyl Acetate	8.46	43	303656	40.658	ug/l	99
44) Trichloroethene	9.11	130	344340	48.823	ug/l	96
45) 1,2-Dichloropropane	9.39	63	270648	47.319	ug/l	98
46) Dibromomethane	9.48	93	141804	46.310	ug/l	98
47) Bromodichloromethane	9.67	83	386421	46.850	ug/l	97
48) Methyl methacrylate	9.46	41	140789	38.551	ug/l	96
49) 1,4-Dioxane	9.47	88	32731	890.029	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	729905	203.797	ug/l	98
52) Toluene	10.41	92	732152	47.382	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	364090	44.062	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	442833	45.925	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	190308	45.814	ug/l	97
56) Ethyl methacrylate	10.67	69	245328	42.219	ug/l	95
57) 1,3-Dichloropropane	10.95	76	333529	46.039	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	519177	220.570	ug/l	99
59) 2-Hexanone	10.99	43	534550	209.787	ug/l	98
60) Dibromochloromethane	11.14	129	265624	45.827	ug/l	100
61) 1,2-Dibromoethane	11.25	107	190058	45.681	ug/l	99
64) Tetrachloroethene	10.88	164	290149	48.139	ug/l	97
65) Chlorobenzene	11.67	112	770706	48.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	290420	47.927	ug/l	100
67) Ethyl Benzene	11.75	91	1404058	48.708	ug/l	99
68) m/p-Xylenes	11.86	106	1081494	97.881	ug/l	99
69) o-Xylene	12.18	106	492687	48.079	ug/l	99
70) Styrene	12.20	104	850431	47.543	ug/l	98
71) Bromoform	12.37	173	159039	46.117	ug/l #	98
73) Isopropylbenzene	12.48	105	1379874	49.112	ug/l	100
74) N-amyl acetate	12.30	43	267324	40.291	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	191242	45.172	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	160623m	52.096	ug/l	
77) Bromobenzene	12.77	156	322389	47.231	ug/l	97
78) n-propylbenzene	12.83	91	1566054	48.786	ug/l	100
79) 2-Chlorotoluene	12.91	91	850015	46.902	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	1111390	48.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	63701	41.040	ug/l	97
82) 4-Chlorotoluene	13.01	91	886156	46.879	ug/l	98
83) tert-Butylbenzene	13.23	119	971972	47.745	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	1083295	47.528	ug/l	100
85) sec-Butylbenzene	13.41	105	1346376	49.242	ug/l	100
86) p-Isopropyltoluene	13.53	119	1270187	48.865	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	609330	48.090	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	594578	48.080	ug/l	100
89) n-Butylbenzene	13.86	91	1133846	48.281	ug/l	99
90) Hexachloroethane	14.12	117	234163	48.744	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	514347	47.960	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	30392	40.151	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	386862	46.762	ug/l	99
94) Hexachlorobutadiene	15.28	225	259794	48.618	ug/l	98
95) Naphthalene	15.41	128	603219	44.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	325776	46.325	ug/l	99

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

