

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101420\
 Data File : VD067272.D
 Acq On : 14 Oct 2020 17:33
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/15/2020 12:18:51 PM

Quant Time: Oct 15 06:53:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	345761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	521244	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244068	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	164288	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
35) Dibromofluoromethane	7.92	113	169771	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.34	98	625836	49.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.70%	
62) 4-Bromofluorobenzene	12.64	95	215786	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	133366	47.866	ug/l	91
3) Chloromethane	2.21	50	97183	44.660	ug/l	98
4) Vinyl Chloride	2.35	62	110868	46.435	ug/l	93
5) Bromomethane	2.77	94	88951	53.712	ug/l	96
6) Chloroethane	2.93	64	68850	46.303	ug/l	99
7) Trichlorofluoromethane	3.27	101	276542	45.997	ug/l	98
8) Diethyl Ether	3.71	74	66264	48.166	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	148841	46.597	ug/l	99
10) Methyl Iodide	4.30	142	147281	49.984	ug/l	100
11) Tert butyl alcohol	5.22	59	40595	219.921	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	135559	47.504	ug/l	98
13) Acrolein	3.93	56	44039	215.949	ug/l	98
14) Allyl chloride	4.72	41	158978	48.648	ug/l	99
15) Acrylonitrile	5.42	53	114741	249.956	ug/l	98
16) Acetone	4.16	43	109217	225.127	ug/l	97
17) Carbon Disulfide	4.41	76	369409	45.409	ug/l	98
18) Methyl Acetate	4.71	43	50259	45.420	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	285636	50.340	ug/l	99
20) Methylene Chloride	4.96	84	154181	49.577	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	158138	48.156	ug/l	100
22) Diisopropyl ether	6.36	45	305246	51.132	ug/l	98
23) Vinyl Acetate	6.31	43	916577	269.874	ug/l	99
24) 1,1-Dichloroethane	6.26	63	248681	48.664	ug/l	97
25) 2-Butanone	7.21	43	136364	246.588	ug/l	96
26) 2,2-Dichloropropane	7.21	77	251513	47.751	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	178904	49.709	ug/l	99
28) Bromochloromethane	7.55	49	86843	49.824	ug/l	100
29) Tetrahydrofuran	7.56	42	80435	261.659	ug/l	97
30) Chloroform	7.71	83	298695	48.930	ug/l	87
31) Cyclohexane	7.99	56	182349	45.704	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	290038	48.424	ug/l	99
36) 1,1-Dichloropropene	8.11	75	214180	48.480	ug/l	98
37) Ethyl Acetate	7.29	43	68075	52.373	ug/l #	94
38) Carbon Tetrachloride	8.10	117	265875	47.087	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	230975	50.010	ug/l	97
40) Benzene	8.36	78	588277	48.538	ug/l	99
41) Methacrylonitrile	7.53	41	30926	44.029	ug/l	97
42) 1,2-Dichloroethane	8.43	62	179011	47.196	ug/l	99
43) Isopropyl Acetate	8.46	43	132050	51.198	ug/l	99
44) Trichloroethene	9.11	130	190234	49.023	ug/l	99
45) 1,2-Dichloropropane	9.39	63	136902	48.739	ug/l	98
46) Dibromomethane	9.48	93	85340	48.763	ug/l	96
47) Bromodichloromethane	9.67	83	231897	49.457	ug/l	95
48) Methyl methacrylate	9.46	41	63261	50.472	ug/l	97
49) 1,4-Dioxane	9.47	88	17282	1021.060	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	323442	251.428	ug/l	98
52) Toluene	10.41	92	403870	48.925	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	208403	50.596	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	241042	50.004	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	117805	49.363	ug/l	98
56) Ethyl methacrylate	10.67	69	127072	51.341	ug/l	99
57) 1,3-Dichloropropane	10.95	76	190833	50.247	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	336871	265.316	ug/l	99
59) 2-Hexanone	10.99	43	219292	249.465	ug/l	95
60) Dibromochloromethane	11.14	129	170934	49.114	ug/l	98
61) 1,2-Dibromoethane	11.25	107	115978	49.295	ug/l	100
64) Tetrachloroethene	10.88	164	163437	47.109	ug/l	97
65) Chlorobenzene	11.68	112	460220	50.121	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	184286	50.497	ug/l	99
67) Ethyl Benzene	11.75	91	787285	50.018	ug/l	99
68) m/p-Xylenes	11.86	106	608255	100.351	ug/l	99
69) o-Xylene	12.18	106	283733	50.551	ug/l	96
70) Styrene	12.20	104	489433	50.655	ug/l	99
71) Bromoform	12.36	173	98900	50.445	ug/l #	99
73) Isopropylbenzene	12.48	105	787661	50.849	ug/l	100
74) N-amyl acetate	12.30	43	119288	50.988	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	115220	48.545	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	75671m	44.733	ug/l	
77) Bromobenzene	12.77	156	189572	49.088	ug/l	99
78) n-propylbenzene	12.83	91	905501	50.453	ug/l	100
79) 2-Chlorotoluene	12.91	91	520050	49.966	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	688687	51.162	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	37774	50.638	ug/l	95
82) 4-Chlorotoluene	13.01	91	546626	49.484	ug/l	99
83) tert-Butylbenzene	13.23	119	569673	50.101	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	680903	51.179	ug/l	99
85) sec-Butylbenzene	13.41	105	778255	49.881	ug/l	100
86) p-Isopropyltoluene	13.53	119	740225	50.265	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	359164	48.319	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	359077	48.758	ug/l	99
89) n-Butylbenzene	13.85	91	660184	50.958	ug/l	99
90) Hexachloroethane	14.12	117	124470	48.435	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	315217	48.543	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20503	47.550	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	224254	51.222	ug/l	97
94) Hexachlorobutadiene	15.28	225	135435	49.815	ug/l	98
95) Naphthalene	15.41	128	377273	52.486	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	195098	51.582	ug/l	99

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

