

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011320\
 Data File : VD064855.D
 Acq On : 13 Jan 2020 17:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/14/2020 1:28:36 PM

Quant Time: Jan 14 11:59:05 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	348667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	531403	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	473908	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241531	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	186525	60.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.34%	
35) Dibromofluoromethane	7.92	113	180183	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
50) Toluene-d8	10.34	98	668356	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
62) 4-Bromofluorobenzene	12.64	95	219138	55.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	119147	43.971	ug/l	95
3) Chloromethane	2.21	50	196776	51.925	ug/l	100
4) Vinyl Chloride	2.35	62	227934	49.330	ug/l	99
5) Bromomethane	2.77	94	158070	47.050	ug/l	96
6) Chloroethane	2.92	64	161232	52.077	ug/l	98
7) Trichlorofluoromethane	3.27	101	377711	48.549	ug/l	100
8) Diethyl Ether	3.71	74	86239	55.820	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	165741	51.440	ug/l	98
10) Methyl Iodide	4.30	142	181889	52.555	ug/l	99
11) Tert butyl alcohol	5.26	59	54172	307.444	ug/l	97
12) 1,1-Dichloroethene	4.06	96	155284	50.622	ug/l	97
13) Acrolein	3.92	56	58289	237.369	ug/l	99
14) Allyl chloride	4.71	41	268870	56.218	ug/l	99
15) Acrylonitrile	5.43	53	198693	308.761	ug/l	97
16) Acetone	4.17	43	227948	372.635	ug/l	92
17) Carbon Disulfide	4.40	76	460830	46.460	ug/l	96
18) Methyl Acetate	4.72	43	105770	61.106	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	420701	61.746	ug/l	96
20) Methylene Chloride	4.96	84	199198	64.797	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	189515	54.249	ug/l	98
22) Diisopropyl ether	6.37	45	587765	61.614	ug/l	97
23) Vinyl Acetate	6.31	43	1648624	304.661	ug/l	98
24) 1,1-Dichloroethane	6.26	63	342394	59.788	ug/l	99
25) 2-Butanone	7.23	43	284704	336.885	ug/l	99
26) 2,2-Dichloropropane	7.21	77	287752	54.043	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222062	58.899	ug/l	99
28) Bromochloromethane	7.55	49	136765	61.435	ug/l	98
29) Tetrahydrofuran	7.57	42	165670	315.231	ug/l	98
30) Chloroform	7.71	83	364950	60.740	ug/l	100
31) Cyclohexane	7.99	56	274756	47.929	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	318719	56.476	ug/l	100
36) 1,1-Dichloropropene	8.11	75	262966	51.413	ug/l	99
37) Ethyl Acetate	7.30	43	120529	59.985	ug/l	99
38) Carbon Tetrachloride	8.10	117	286679	52.565	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	298654	48.210	ug/l	96
40) Benzene	8.36	78	773898	55.426	ug/l	98
41) Methacrylonitrile	7.53	41	69298	59.442	ug/l	95
42) 1,2-Dichloroethane	8.43	62	236847	58.700	ug/l	98
43) Isopropyl Acetate	8.46	43	233226	58.315	ug/l	99
44) Trichloroethene	9.11	130	212479	51.801	ug/l	98
45) 1,2-Dichloropropane	9.39	63	192464	57.732	ug/l	95
46) Dibromomethane	9.48	93	105701	56.868	ug/l	99
47) Bromodichloromethane	9.67	83	289804	58.595	ug/l	98
48) Methyl methacrylate	9.46	41	105923	56.248	ug/l	87
49) 1,4-Dioxane	9.47	88	25231	1177.259	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	607807	307.467	ug/l	100
52) Toluene	10.41	92	504386	55.060	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	266650	57.827	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	315231	57.977	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	146953	58.666	ug/l	95
56) Ethyl methacrylate	10.67	69	188064	60.117	ug/l	97
57) 1,3-Dichloropropane	10.95	76	251874	58.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	320011	268.498	ug/l	99
59) 2-Hexanone	10.99	43	433541	323.126	ug/l	99
60) Dibromochloromethane	11.14	129	198422	57.282	ug/l	98
61) 1,2-Dibromoethane	11.25	107	143026	57.890	ug/l	100
64) Tetrachloroethene	10.88	164	208017	57.214	ug/l	95
65) Chlorobenzene	11.67	112	543070	55.213	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	216699	58.441	ug/l	97
67) Ethyl Benzene	11.75	91	973765	54.544	ug/l	99
68) m/p-Xylenes	11.86	106	761033	110.442	ug/l	100
69) o-Xylene	12.18	106	344230	55.306	ug/l	98
70) Styrene	12.20	104	626159	57.314	ug/l	99
71) Bromoform	12.37	173	121022	57.232	ug/l #	100
73) Isopropylbenzene	12.48	105	921512	53.389	ug/l	100
74) N-amyl acetate	12.30	43	217650	58.990	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	155880	57.490	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	123785m	64.901	ug/l	
77) Bromobenzene	12.77	156	231666	54.624	ug/l	97
78) n-propylbenzene	12.83	91	1072640	53.269	ug/l	99
79) 2-Chlorotoluene	12.91	91	599891	54.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	764051	53.888	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50749	55.650	ug/l	96
82) 4-Chlorotoluene	13.01	91	642171	54.552	ug/l	100
83) tert-Butylbenzene	13.23	119	649975	52.798	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	766176	54.258	ug/l	100
85) sec-Butylbenzene	13.41	105	891717	52.836	ug/l	99
86) p-Isopropyltoluene	13.52	119	843867	52.292	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	439563	54.368	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	423254	53.290	ug/l	99
89) n-Butylbenzene	13.85	91	752113	51.754	ug/l	99
90) Hexachloroethane	14.12	117	165010	53.529	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	371077	53.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24743	56.291	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	261563	51.527	ug/l	99
94) Hexachlorobutadiene	15.28	225	155440	48.661	ug/l	99
95) Naphthalene	15.41	128	435926	54.283	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	225184	51.963	ug/l	99

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

