

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111119\
 Data File : VD064193.D
 Acq On : 11 Nov 2019 22:32
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 10:26:06 AM

Quant Time: Nov 12 04:10:23 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	605295	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	921569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	811819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	397184	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	277233	55.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.38%	
35) Dibromofluoromethane	7.92	113	268946	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
50) Toluene-d8	10.34	98	988563	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.64	95	346203	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	238388	47.486	ug/l	100
3) Chloromethane	2.21	50	318763	59.198	ug/l	98
4) Vinyl Chloride	2.35	62	336334	58.409	ug/l	98
5) Bromomethane	2.77	94	214735	59.057	ug/l	99
6) Chloroethane	2.92	64	226541	61.570	ug/l	97
7) Trichlorofluoromethane	3.27	101	523872	56.114	ug/l	97
8) Diethyl Ether	3.70	74	151136	58.877	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	266468	49.938	ug/l	98
10) Methyl Iodide	4.29	142	304092	49.927	ug/l	99
11) Tert butyl alcohol	5.25	59	106557	306.458	ug/l	95
12) 1,1-Dichloroethene	4.06	96	273781	53.829	ug/l	98
13) Acrolein	3.93	56	92978	316.090	ug/l	100
14) Allyl chloride	4.70	41	498983	55.487	ug/l	98
15) Acrylonitrile	5.43	53	330171	301.707	ug/l	99
16) Acetone	4.17	43	315801	267.778	ug/l	96
17) Carbon Disulfide	4.40	76	854462	53.946	ug/l	99
18) Methyl Acetate	4.73	43	211995	64.359	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	731655	60.258	ug/l	98
20) Methylene Chloride	4.96	84	311760	52.333	ug/l	94
21) trans-1,2-Dichloroethene	5.46	96	321821	55.848	ug/l	96
22) Diisopropyl ether	6.37	45	989097	59.279	ug/l	98
23) Vinyl Acetate	6.31	43	2765183	297.304	ug/l	99
24) 1,1-Dichloroethane	6.26	63	557018	57.495	ug/l	99
25) 2-Butanone	7.22	43	450783	295.859	ug/l	100
26) 2,2-Dichloropropane	7.21	77	469364	49.402	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	362504	58.662	ug/l	96
28) Bromochloromethane	7.55	49	217703	64.545	ug/l	98
29) Tetrahydrofuran	7.57	42	290271	317.086	ug/l	99
30) Chloroform	7.71	83	589127	59.449	ug/l	99
31) Cyclohexane	7.98	56	466015	47.696	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	517398	54.526	ug/l	99
36) 1,1-Dichloropropene	8.11	75	424915	49.959	ug/l	99
37) Ethyl Acetate	7.30	43	201835	56.290	ug/l	99
38) Carbon Tetrachloride	8.09	117	449935	49.439	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	499506	46.413	ug/l	98
40) Benzene	8.35	78	1232783	53.034	ug/l	98
41) Methacrylonitrile	7.53	41	118558	52.607	ug/l	95
42) 1,2-Dichloroethane	8.43	62	390790	55.975	ug/l	99
43) Isopropyl Acetate	8.46	43	419600	56.796	ug/l	99
44) Trichloroethene	9.11	130	359007	51.459	ug/l	98
45) 1,2-Dichloropropane	9.39	63	308655	54.554	ug/l	96
46) Dibromomethane	9.48	93	166827	55.078	ug/l	97
47) Bromodichloromethane	9.67	83	454748	55.737	ug/l	98
48) Methyl methacrylate	9.46	41	195314	54.066	ug/l	95
49) 1,4-Dioxane	9.47	88	43396	1192.936	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1021056	288.206	ug/l	100
52) Toluene	10.41	92	805691	52.711	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	441753	54.045	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	513332	53.819	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	238316	57.999	ug/l	98
56) Ethyl methacrylate	10.67	69	324772	56.502	ug/l	98
57) 1,3-Dichloropropane	10.95	76	403793	56.348	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	660941	283.868	ug/l	99
59) 2-Hexanone	10.99	43	703184	278.985	ug/l	99
60) Dibromochloromethane	11.14	129	319360	55.700	ug/l	100
61) 1,2-Dibromoethane	11.25	107	232317	56.448	ug/l	100
64) Tetrachloroethene	10.88	164	327239	52.412	ug/l	98
65) Chlorobenzene	11.67	112	856353	51.874	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	332583	52.983	ug/l	99
67) Ethyl Benzene	11.75	91	1714839	57.428	ug/l	98
68) m/p-Xylenes	11.86	106	1193417	104.268	ug/l	100
69) o-Xylene	12.18	106	566732	53.389	ug/l	100
70) Styrene	12.20	104	970290	52.364	ug/l	99
71) Bromoform	12.37	173	200227	56.049	ug/l #	97
73) Isopropylbenzene	12.48	105	1473626	50.548	ug/l	99
74) N-amyl acetate	12.30	43	374910	54.458	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	243038	55.326	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	161126m	50.365	ug/l	
77) Bromobenzene	12.77	156	373203	52.693	ug/l	99
78) n-propylbenzene	12.83	91	1655494	49.703	ug/l	99
79) 2-Chlorotoluene	12.91	91	965966	51.368	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1220828	50.963	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	84108	52.223	ug/l	98
82) 4-Chlorotoluene	13.01	91	1023755	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	1035011	48.999	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1234120	52.183	ug/l	99
85) sec-Butylbenzene	13.41	105	1381060	48.680	ug/l	99
86) p-Isopropyltoluene	13.52	119	1297278	48.098	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	690034	52.485	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	677423	52.793	ug/l	99
89) n-Butylbenzene	13.85	91	1171856	48.091	ug/l	100
90) Hexachloroethane	14.12	117	251591	50.473	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	598065	53.745	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	43678	55.611	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	442588	51.558	ug/l	98
94) Hexachlorobutadiene	15.28	225	261670	47.194	ug/l	98
95) Naphthalene	15.41	128	935960	66.514	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	388873	53.293	ug/l	97

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

