

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123019\
 Data File : VD064671.D
 Acq On : 30 Dec 2019 11:35
 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

apatel
 12/31/2019 11:47:23 AM

Quant Time: Dec 31 07:21:07 2019
 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	441854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	628946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	550467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	264684	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196699	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	
35) Dibromofluoromethane	7.91	113	197419	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	760945	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.64	95	239429	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155707	45.345	ug/l	98
3) Chloromethane	2.21	50	220313	45.875	ug/l	100
4) Vinyl Chloride	2.35	62	270406	46.180	ug/l	98
5) Bromomethane	2.77	94	188616	44.302	ug/l	94
6) Chloroethane	2.92	64	180303	45.955	ug/l	100
7) Trichlorofluoromethane	3.27	101	445729	45.209	ug/l	98
8) Diethyl Ether	3.70	74	85053	43.442	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	188055	46.056	ug/l	99
10) Methyl Iodide	4.29	142	214514	48.909	ug/l	99
11) Tert butyl alcohol	5.24	59	58244	260.840	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	179241	46.109	ug/l	98
13) Acrolein	3.92	56	76388	245.468	ug/l	99
14) Allyl chloride	4.70	41	290798	47.979	ug/l	99
15) Acrylonitrile	5.43	53	185157	227.045	ug/l	100
16) Acetone	4.16	43	237119	294.794	ug/l	94
17) Carbon Disulfide	4.40	76	569129	45.278	ug/l	100
18) Methyl Acetate	4.71	43	91336	41.639	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	392452	45.452	ug/l	98
20) Methylene Chloride	4.95	84	195139	48.860	ug/l	98
21) trans-1,2-Dichloroethene	5.46	96	207894	46.959	ug/l	97
22) Diisopropyl ether	6.36	45	564533	46.698	ug/l	99
23) Vinyl Acetate	6.30	43	1641335	239.345	ug/l	100
24) 1,1-Dichloroethane	6.26	63	343267	47.299	ug/l	98
25) 2-Butanone	7.22	43	257902	240.810	ug/l	99
26) 2,2-Dichloropropane	7.21	77	325875	48.295	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	222765	46.624	ug/l	97
28) Bromochloromethane	7.54	49	136789	48.487	ug/l	99
29) Tetrahydrofuran	7.57	42	148628	223.160	ug/l	97
30) Chloroform	7.71	83	360327	47.323	ug/l	97
31) Cyclohexane	7.98	56	323339	44.508	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	338355	47.311	ug/l	99
36) 1,1-Dichloropropene	8.11	75	291677	48.182	ug/l	99
37) Ethyl Acetate	7.30	43	108741	45.725	ug/l	99
38) Carbon Tetrachloride	8.09	117	319947	49.566	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	353801	48.254	ug/l	97
40) Benzene	8.35	78	784256	47.457	ug/l	100
41) Methacrylonitrile	7.53	41	60607	43.924	ug/l	88
42) 1,2-Dichloroethane	8.43	62	227661	47.673	ug/l	98
43) Isopropyl Acetate	8.46	43	215353	45.495	ug/l	99
44) Trichloroethene	9.11	130	230938	47.570	ug/l	96
45) 1,2-Dichloropropane	9.38	63	189169	47.943	ug/l	96
46) Dibromomethane	9.47	93	98623	44.831	ug/l	96
47) Bromodichloromethane	9.66	83	276462	47.228	ug/l	97
48) Methyl methacrylate	9.46	41	100776	45.215	ug/l	93
49) 1,4-Dioxane	9.46	88	21828	860.523	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	526486	225.025	ug/l	99
52) Toluene	10.40	92	518455	47.819	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	257543	47.190	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	309764	48.135	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	137725	46.455	ug/l	95
56) Ethyl methacrylate	10.66	69	167168	45.150	ug/l	99
57) 1,3-Dichloropropane	10.95	76	234392	45.918	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	328353	232.770	ug/l	99
59) 2-Hexanone	10.98	43	390451	245.878	ug/l	99
60) Dibromochloromethane	11.14	129	184928	45.107	ug/l	98
61) 1,2-Dibromoethane	11.25	107	132372	45.269	ug/l	99
64) Tetrachloroethene	10.87	164	197250	46.707	ug/l	98
65) Chlorobenzene	11.67	112	534561	46.789	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	202508	47.018	ug/l	100
67) Ethyl Benzene	11.75	91	984236	47.463	ug/l	99
68) m/p-Xylenes	11.86	106	754188	94.227	ug/l	97
69) o-Xylene	12.18	106	343677	47.538	ug/l	100
70) Styrene	12.20	104	603921	47.590	ug/l	99
71) Bromoform	12.37	173	113932	46.386	ug/l #	100
73) Isopropylbenzene	12.48	105	936896	49.532	ug/l	100
74) N-amyl acetate	12.30	43	198242	49.029	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	139500	46.948	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	87891m	42.051	ug/l	
77) Bromobenzene	12.77	156	220936	47.537	ug/l	98
78) n-propylbenzene	12.83	91	1103042	49.987	ug/l	99
79) 2-Chlorotoluene	12.91	91	589316	48.615	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	765808	49.287	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	50586	50.619	ug/l	96
82) 4-Chlorotoluene	13.01	91	619908	48.054	ug/l	99
83) tert-Butylbenzene	13.23	119	663676	49.195	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	762699	49.287	ug/l	97
85) sec-Butylbenzene	13.41	105	917987	49.635	ug/l	100
86) p-Isopropyltoluene	13.53	119	880141	49.769	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	428043	48.312	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	414598	47.634	ug/l	100
89) n-Butylbenzene	13.86	91	796274	50.000	ug/l	99
90) Hexachloroethane	14.12	117	163114	48.285	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	356306	47.162	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22826	47.387	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	262022	47.102	ug/l	98
94) Hexachlorobutadiene	15.28	225	164116	46.883	ug/l	98
95) Naphthalene	15.41	128	403012	45.795	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	219570	46.235	ug/l	99

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

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