

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120519\
 Data File : VD064427.D
 Acq On : 05 Dec 2019 10:31
 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
 12/6/2019 12:59:10 PM

Quant Time: Dec 06 06:05:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	511336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	726767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	623626	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	306565	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	215443	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	
35) Dibromofluoromethane	7.91	113	224865	49.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.22%	
50) Toluene-d8	10.34	98	864044	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.64	95	264301	47.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	220357	47.561	ug/l	99
3) Chloromethane	2.21	50	266938	45.679	ug/l	100
4) Vinyl Chloride	2.35	62	325074	48.179	ug/l	100
5) Bromomethane	2.77	94	211966	42.481	ug/l	98
6) Chloroethane	2.93	64	213638	47.371	ug/l	98
7) Trichlorofluoromethane	3.27	101	539016	48.055	ug/l	96
8) Diethyl Ether	3.71	74	101463	43.530	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	234052	48.666	ug/l	98
10) Methyl Iodide	4.30	142	248096	48.849	ug/l	99
11) Tert butyl alcohol	5.25	59	54671	185.566	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	222116	48.193	ug/l	99
13) Acrolein	3.92	56	87584	217.951	ug/l	98
14) Allyl chloride	4.71	41	352206	48.966	ug/l	99
15) Acrylonitrile	5.43	53	213108	209.082	ug/l	99
16) Acetone	4.16	43	247669	264.803	ug/l	98
17) Carbon Disulfide	4.40	76	708485	48.536	ug/l	98
18) Methyl Acetate	4.73	43	127381	46.691	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	461686	43.670	ug/l	98
20) Methylene Chloride	4.97	84	222433	46.494	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	246101	47.205	ug/l	98
22) Diisopropyl ether	6.37	45	655955	46.196	ug/l	96
23) Vinyl Acetate	6.31	43	1847107	220.653	ug/l	100
24) 1,1-Dichloroethane	6.26	63	407029	47.665	ug/l	97
25) 2-Butanone	7.22	43	294210	222.431	ug/l	99
26) 2,2-Dichloropropane	7.21	77	378747	51.001	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265144	46.649	ug/l	98
28) Bromochloromethane	7.55	49	133682	45.808	ug/l	99
29) Tetrahydrofuran	7.57	42	171756	204.099	ug/l	98
30) Chloroform	7.71	83	414548	46.874	ug/l	99
31) Cyclohexane	7.98	56	391543	52.772	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	399124	48.678	ug/l	99
36) 1,1-Dichloropropene	8.11	75	346100	50.347	ug/l	99
37) Ethyl Acetate	7.30	43	121574	41.680	ug/l	99
38) Carbon Tetrachloride	8.10	117	372186	51.299	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	420490	49.312	ug/l	97
40) Benzene	8.35	78	927992	48.605	ug/l	98
41) Methacrylonitrile	7.53	41	73488	43.932	ug/l	94
42) 1,2-Dichloroethane	8.43	62	256424	46.054	ug/l	98
43) Isopropyl Acetate	8.46	43	249617	43.524	ug/l	98
44) Trichloroethene	9.11	130	276797	48.129	ug/l	98
45) 1,2-Dichloropropane	9.38	63	219392	48.048	ug/l	96
46) Dibromomethane	9.48	93	118986	46.170	ug/l	98
47) Bromodichloromethane	9.66	83	322357	48.681	ug/l	96
48) Methyl methacrylate	9.46	41	125724	47.907	ug/l	89
49) 1,4-Dioxane	9.47	88	26021	817.661	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	607480	214.076	ug/l	100
52) Toluene	10.40	92	597725	48.038	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	296088	46.917	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	357182	47.643	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	159455	45.187	ug/l	97
56) Ethyl methacrylate	10.66	69	196167	43.585	ug/l	99
57) 1,3-Dichloropropane	10.95	76	274467	45.691	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	408440	227.646	ug/l	99
59) 2-Hexanone	10.99	43	445257	226.129	ug/l	98
60) Dibromochloromethane	11.14	129	217692	45.499	ug/l	99
61) 1,2-Dibromoethane	11.25	107	157269	44.636	ug/l	98
64) Tetrachloroethene	10.88	164	234575	49.326	ug/l	99
65) Chlorobenzene	11.67	112	618980	47.589	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237866	49.401	ug/l	98
67) Ethyl Benzene	11.75	91	1139915	49.257	ug/l	99
68) m/p-Xylenes	11.86	106	876684	99.354	ug/l	99
69) o-Xylene	12.18	106	395779	48.566	ug/l	98
70) Styrene	12.20	104	698775	49.343	ug/l	98
71) Bromoform	12.37	173	128486	44.602	ug/l #	97
73) Isopropylbenzene	12.48	105	1102878	50.021	ug/l	100
74) N-amyl acetate	12.30	43	218906	43.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	158965	43.598	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	106518m	42.251	ug/l	
77) Bromobenzene	12.77	156	257051	47.210	ug/l	98
78) n-propylbenzene	12.83	91	1264536	49.707	ug/l	99
79) 2-Chlorotoluene	12.91	91	685247	48.953	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	890884	49.444	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	54185	46.865	ug/l	97
82) 4-Chlorotoluene	13.01	91	734765	49.576	ug/l	98
83) tert-Butylbenzene	13.23	119	775163	49.486	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	883855	48.784	ug/l	100
85) sec-Butylbenzene	13.41	105	1070009	49.770	ug/l	100
86) p-Isopropyltoluene	13.53	119	1019056	50.207	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	492944	47.701	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	483648	47.404	ug/l	100
89) n-Butylbenzene	13.86	91	927786	50.335	ug/l	100
90) Hexachloroethane	14.12	117	188861	49.749	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	408829	46.291	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25501	46.501	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	307021	45.392	ug/l	98
94) Hexachlorobutadiene	15.28	225	196935	47.164	ug/l	96
95) Naphthalene	15.41	128	489634	43.377	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	264391	45.793	ug/l	100

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

