

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063830.D
 Acq On : 25 Sep 2019 18:48
 Operator : VA/SY
 Sample : VSTDIC075
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:26:14 AM

Quant Time: Sep 26 11:54:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	264643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	424643	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	409467	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	224423	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.36	65	180017	72.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.48%	
35) Dibromofluoromethane	7.94	113	187332	69.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	138.98%	
50) Toluene-d8	10.36	98	749000	73.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	147.62%	
62) 4-Bromofluorobenzene	12.64	95	260889	71.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	126440	69.664	ug/l	96
3) Chloromethane	2.22	50	312097	56.744	ug/l	99
4) Vinyl Chloride	2.36	62	346379	61.708	ug/l	93
5) Bromomethane	2.77	94	212912	64.829	ug/l	99
6) Chloroethane	2.94	64	216792	56.080	ug/l	98
7) Trichlorofluoromethane	3.29	101	462479	61.282	ug/l	97
8) Diethyl Ether	3.72	74	77335	62.846	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.11	101	142604	63.699	ug/l	99
10) Methyl Iodide	4.31	142	200310	74.943	ug/l	99
11) Tert butyl alcohol	5.28	59	59373	307.531	ug/l	97
12) 1,1-Dichloroethene	4.08	96	144530	63.956	ug/l	92
13) Acrolein	3.94	56	83466	355.098	ug/l	99
14) Allyl chloride	4.73	41	226107	63.299	ug/l	98
15) Acrylonitrile	5.46	53	183614	337.761	ug/l	96
16) Acetone	4.19	43	173919	310.926	ug/l	99
17) Carbon Disulfide	4.42	76	500936	65.574	ug/l	98
18) Methyl Acetate	4.74	43	83261	60.456	ug/l	95
19) Methyl tert-butyl Ether	5.51	73	380594	67.269	ug/l	97
20) Methylene Chloride	4.99	84	186119	55.302	ug/l	95
21) trans-1,2-Dichloroethene	5.50	96	172431	65.553	ug/l	92
22) Diisopropyl ether	6.39	45	471178	63.866	ug/l	98
23) Vinyl Acetate	6.34	43	1427445	327.122	ug/l	100
24) 1,1-Dichloroethane	6.29	63	296266	66.099	ug/l	97
25) 2-Butanone	7.24	43	231357	316.381	ug/l	97
26) 2,2-Dichloropropane	7.23	77	263376	62.832	ug/l	97
27) cis-1,2-Dichloroethene	7.23	96	197361	66.866	ug/l	99
28) Bromochloromethane	7.57	49	126911	72.158	ug/l	97
29) Tetrahydrofuran	7.59	42	139830	319.127	ug/l	98
30) Chloroform	7.73	83	321438	66.026	ug/l	96
31) Cyclohexane	8.00	56	263622	58.921	ug/l	94
32) 1,1,1-Trichloroethane	7.93	97	285991	64.967	ug/l	98
36) 1,1-Dichloropropene	8.13	75	244388	63.094	ug/l	98
37) Ethyl Acetate	7.33	43	98739	61.037	ug/l	95
38) Carbon Tetrachloride	8.11	117	263680	65.405	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	301787	62.573	ug/l	98
40) Benzene	8.37	78	692268	64.896	ug/l	100
41) Methacrylonitrile	7.55	41	58144	60.858	ug/l	94
42) 1,2-Dichloroethane	8.45	62	200648	64.324	ug/l	99
43) Isopropyl Acetate	8.48	43	202633	62.482	ug/l	99
44) Trichloroethene	9.13	130	202511	65.554	ug/l	95
45) 1,2-Dichloropropane	9.41	63	170142	64.568	ug/l	93
46) Dibromomethane	9.50	93	99706	67.039	ug/l	99
47) Bromodichloromethane	9.68	83	256108	66.799	ug/l	96
48) Methyl methacrylate	9.47	41	93838	63.619	ug/l	97
49) 1,4-Dioxane	9.48	88	26473	1275.919	ug/l	95
51) 4-Methyl-2-Pentanone	10.25	43	513052	314.030	ug/l	97
52) Toluene	10.42	92	471847	65.236	ug/l	99
53) t-1,3-Dichloropropene	10.64	75	257607	67.785	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	289886	67.199	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	134092	63.806	ug/l	92
56) Ethyl methacrylate	10.67	69	175748	65.797	ug/l	99
57) 1,3-Dichloropropane	10.96	76	234758	65.744	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.96	63	410099	343.513	ug/l	99
59) 2-Hexanone	11.00	43	375771	322.357	ug/l	99
60) Dibromochloromethane	11.16	129	186635	67.295	ug/l	98
61) 1,2-Dibromoethane	11.26	107	139836	66.560	ug/l	99
64) Tetrachloroethene	10.89	164	182551	66.185	ug/l	94
65) Chlorobenzene	11.68	112	547046	66.416	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.76	131	206288	68.148	ug/l	99
67) Ethyl Benzene	11.76	91	976736	65.649	ug/l	98
68) m/p-Xylenes	11.87	106	759007	132.847	ug/l	99
69) o-Xylene	12.20	106	360306	66.814	ug/l	99
70) Styrene	12.21	104	619999	67.933	ug/l	99
71) Bromoform	12.37	173	123194	73.261	ug/l #	97
73) Isopropylbenzene	12.49	105	971048	63.348	ug/l	99
74) N-amyl acetate	12.30	43	204730	61.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	160495	62.815	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	108833m	76.466	ug/l	
77) Bromobenzene	12.77	156	242211	65.748	ug/l	98
78) n-propylbenzene	12.83	91	1133061	62.828	ug/l	99
79) 2-Chlorotoluene	12.92	91	627980	64.559	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	824781	64.544	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	53129	62.353	ug/l	97
82) 4-Chlorotoluene	13.02	91	646563	62.310	ug/l	99
83) tert-Butylbenzene	13.24	119	715351	64.068	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	844778	65.119	ug/l	100
85) sec-Butylbenzene	13.41	105	995325	64.063	ug/l	100
86) p-Isopropyltoluene	13.53	119	953220	65.327	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	479653	66.314	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	465897	64.765	ug/l	98
89) n-Butylbenzene	13.86	91	874331	62.958	ug/l	99
90) Hexachloroethane	14.13	117	180056	66.621	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	410006	66.084	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27420	63.604	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	319605	67.834	ug/l	97
94) Hexachlorobutadiene	15.28	225	183001	68.550	ug/l	98
95) Naphthalene	15.41	128	563472	66.596	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	279302	66.864	ug/l	99

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

