

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064404.D
 Acq On : 27 Nov 2019 19:18
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:40 AM

Quant Time: Nov 29 07:09:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 06:39:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	495124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	720405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	634336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	310132	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	219329	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
35) Dibromofluoromethane	7.92	113	225932	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	10.34	98	836605	53.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.86%	
62) 4-Bromofluorobenzene	12.64	95	264755	49.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	214611	52.143	ug/l	100
3) Chloromethane	2.21	50	270761	59.337	ug/l	100
4) Vinyl Chloride	2.35	62	324220	65.264	ug/l	100
5) Bromomethane	2.77	94	227925	70.981	ug/l	100
6) Chloroethane	2.92	64	215792	67.421	ug/l	100
7) Trichlorofluoromethane	3.27	101	538188	66.441	ug/l	100
8) Diethyl Ether	3.71	74	112163	53.114	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	228397	52.064	ug/l	100
10) Methyl Iodide	4.30	142	277588	63.185	ug/l	100
11) Tert butyl alcohol	5.26	59	73538	259.905	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	221476	53.026	ug/l	100
13) Acrolein	3.93	56	92470	363.707	ug/l	100
14) Allyl chloride	4.71	41	350541	48.523	ug/l	100
15) Acrylonitrile	5.43	53	244892	270.500	ug/l	100
16) Acetone	4.17	43	241267	253.832	ug/l	100
17) Carbon Disulfide	4.40	76	716142	54.850	ug/l	100
18) Methyl Acetate	4.73	43	128047	47.888	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	522372	52.550	ug/l	100
20) Methylene Chloride	4.96	84	242615	49.515	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	252822	53.328	ug/l	100
22) Diisopropyl ether	6.37	45	696543	51.211	ug/l	100
23) Vinyl Acetate	6.31	43	2108946	275.908	ug/l	100
24) 1,1-Dichloroethane	6.27	63	419865	52.927	ug/l	100
25) 2-Butanone	7.22	43	328059	263.005	ug/l	100
26) 2,2-Dichloropropane	7.21	77	359672	47.140	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	277338	54.290	ug/l	100
28) Bromochloromethane	7.54	49	150999	54.765	ug/l	100
29) Tetrahydrofuran	7.57	42	201344	267.642	ug/l	100
30) Chloroform	7.71	83	433251	53.226	ug/l	100
31) Cyclohexane	7.98	56	382705	48.075	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	398200	51.380	ug/l	100
36) 1,1-Dichloropropene	8.11	75	333500	50.527	ug/l	100
37) Ethyl Acetate	7.30	43	145850	51.899	ug/l	100
38) Carbon Tetrachloride	8.10	117	365848	51.600	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428661	51.033	ug/l	100
40) Benzene	8.35	78	956215	52.613	ug/l	100
41) Methacrylonitrile	7.53	41	95791	54.420	ug/l	100
42) 1,2-Dichloroethane	8.43	62	276183	50.794	ug/l	100
43) Isopropyl Acetate	8.46	43	291519	50.722	ug/l	100
44) Trichloroethene	9.11	130	280580	51.590	ug/l	100
45) 1,2-Dichloropropane	9.39	63	233591	52.695	ug/l	100
46) Dibromomethane	9.48	93	130099	54.418	ug/l	100
47) Bromodichloromethane	9.67	83	338617	52.908	ug/l	100
48) Methyl methacrylate	9.46	41	132370	47.472	ug/l	100
49) 1,4-Dioxane	9.47	88	30341	1055.255	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	713284	257.461	ug/l	100
52) Toluene	10.41	92	615030	51.581	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	324069	50.968	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	382646	51.475	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	174434	53.895	ug/l	100
56) Ethyl methacrylate	10.66	69	230528	51.432	ug/l	100
57) 1,3-Dichloropropane	10.95	76	299538	53.203	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	421157	235.835	ug/l	100
59) 2-Hexanone	10.99	43	499637	255.044	ug/l	100
60) Dibromochloromethane	11.14	129	240292	53.256	ug/l	100
61) 1,2-Dibromoethane	11.25	107	174970	53.952	ug/l	100
64) Tetrachloroethene	10.88	164	245212	50.642	ug/l	100
65) Chlorobenzene	11.67	112	661512	51.378	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	250334	51.179	ug/l	100
67) Ethyl Benzene	11.75	91	1182741	50.898	ug/l	100
68) m/p-Xylenes	11.86	106	911493	102.400	ug/l	100
69) o-Xylene	12.18	106	421003	50.995	ug/l	100
70) Styrene	12.20	104	729429	50.696	ug/l	100
71) Bromoform	12.37	173	146002	52.291	ug/l #	100
73) Isopropylbenzene	12.48	105	1133082	50.173	ug/l	100
74) N-amyl acetate	12.30	43	264031	49.468	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	188492	54.310	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	123088m	49.727	ug/l	
77) Bromobenzene	12.77	156	281860	51.183	ug/l	100
78) n-propylbenzene	12.83	91	1305827	50.598	ug/l	100
79) 2-Chlorotoluene	12.91	91	718419	49.462	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	932784	50.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	60073	48.470	ug/l	100
82) 4-Chlorotoluene	13.01	91	755615	49.755	ug/l	100
83) tert-Butylbenzene	13.23	119	806233	49.465	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	923939	50.383	ug/l	100
85) sec-Butylbenzene	13.41	105	1111615	50.575	ug/l	100
86) p-Isopropyltoluene	13.53	119	1043972	50.000	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	526281	51.307	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	520745	52.172	ug/l	100
89) n-Butylbenzene	13.86	91	954976	50.603	ug/l	100
90) Hexachloroethane	14.12	117	195480	50.497	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	459244	52.759	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29360	48.233	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	346558	51.879	ug/l	100
94) Hexachlorobutadiene	15.28	225	218195	50.760	ug/l	100
95) Naphthalene	15.41	128	584759	53.014	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	301321	52.731	ug/l	100

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

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