

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064398.D
 Acq On : 27 Nov 2019 16:03
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:20 AM

Quant Time: Nov 29 07:39:48 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	482106	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	690921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	597801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302177	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	445238	102.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.06%	
35) Dibromofluoromethane	7.92	113	433877	99.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.34%	
50) Toluene-d8	10.34	98	1694914	103.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	206.72%	
62) 4-Bromofluorobenzene	12.64	95	533447	101.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	424641	97.209	ug/l	99
3) Chloromethane	2.21	50	508858	92.357	ug/l	99
4) Vinyl Chloride	2.35	62	639674	100.553	ug/l	97
5) Bromomethane	2.76	94	441604	93.870	ug/l	97
6) Chloroethane	2.92	64	421201	99.058	ug/l	98
7) Trichlorofluoromethane	3.27	101	1059876	100.220	ug/l	96
8) Diethyl Ether	3.71	74	221167	100.640	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	453945	100.110	ug/l	98
10) Methyl Iodide	4.29	142	563087	117.590	ug/l	99
11) Tert butyl alcohol	5.26	59	132248	476.096	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	432140	99.446	ug/l	98
13) Acrolein	3.92	56	180979	477.667	ug/l	98
14) Allyl chloride	4.71	41	687468	101.372	ug/l	99
15) Acrylonitrile	5.43	53	485306	505.006	ug/l	99
16) Acetone	4.17	43	476523	540.380	ug/l	98
17) Carbon Disulfide	4.40	76	1393706	101.266	ug/l	97
18) Methyl Acetate	4.73	43	256150	99.583	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1008821	101.207	ug/l	99
20) Methylene Chloride	4.96	84	452821	106.047	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	490337	99.756	ug/l	97
22) Diisopropyl ether	6.37	45	1334842	99.706	ug/l	98
23) Vinyl Acetate	6.31	43	4192739	531.225	ug/l	99
24) 1,1-Dichloroethane	6.26	63	806178	100.131	ug/l	97
25) 2-Butanone	7.23	43	652113	522.908	ug/l	99
26) 2,2-Dichloropropane	7.21	77	723038	103.264	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	534749	99.787	ug/l	99
28) Bromochloromethane	7.55	49	331209	120.373	ug/l	99
29) Tetrahydrofuran	7.57	42	410936	517.925	ug/l	97
30) Chloroform	7.71	83	835247	100.170	ug/l	97
31) Cyclohexane	7.98	56	761808	114.274	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	784472	101.477	ug/l	100
36) 1,1-Dichloropropene	8.11	75	676836	103.568	ug/l	98
37) Ethyl Acetate	7.30	43	287746	103.767	ug/l	98
38) Carbon Tetrachloride	8.10	117	731080	105.994	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	844888	104.223	ug/l	99
40) Benzene	8.36	78	1857242	102.322	ug/l	100
41) Methacrylonitrile	7.54	41	161117	101.314	ug/l	88
42) 1,2-Dichloroethane	8.43	62	543943	102.761	ug/l	98
43) Isopropyl Acetate	8.46	43	578623	106.125	ug/l	99
44) Trichloroethene	9.11	130	548278	100.279	ug/l	99
45) 1,2-Dichloropropane	9.39	63	440809	101.547	ug/l	99
46) Dibromomethane	9.48	93	252202	102.939	ug/l	98
47) Bromodichloromethane	9.67	83	652527	103.654	ug/l	100
48) Methyl methacrylate	9.46	41	270710	108.505	ug/l	93
49) 1,4-Dioxane	9.47	88	62033	2050.401	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	1432651	531.059	ug/l	100
52) Toluene	10.41	92	1215017	102.715	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	639065	106.518	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	743940	104.378	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	332985	99.257	ug/l	98
56) Ethyl methacrylate	10.67	69	446188	104.279	ug/l	98
57) 1,3-Dichloropropane	10.95	76	582381	101.980	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	803785	471.236	ug/l	99
59) 2-Hexanone	10.99	43	1016228	542.879	ug/l	98
60) Dibromochloromethane	11.14	129	469422	103.202	ug/l	99
61) 1,2-Dibromoethane	11.25	107	341556	101.969	ug/l	98
64) Tetrachloroethene	10.88	164	479204	105.119	ug/l	99
65) Chlorobenzene	11.67	112	1281767	102.803	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	493347	106.888	ug/l	99
67) Ethyl Benzene	11.75	91	2331291	105.090	ug/l	100
68) m/p-Xylenes	11.86	106	1804727	213.364	ug/l	99
69) o-Xylene	12.18	106	831616	106.456	ug/l	100
70) Styrene	12.20	104	1469767	108.269	ug/l	99
71) Bromoform	12.37	173	293862	106.417	ug/l #	96
73) Isopropylbenzene	12.48	105	2268913	104.400	ug/l	100
74) N-amyl acetate	12.30	43	528315	107.108	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	361144	100.487	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	246483m	99.188	ug/l	
77) Bromobenzene	12.77	156	554296	103.281	ug/l	99
78) n-propylbenzene	12.83	91	2625311	104.696	ug/l	100
79) 2-Chlorotoluene	12.91	91	1427836	103.483	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1863782	104.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	124942	109.633	ug/l	97
82) 4-Chlorotoluene	13.01	91	1510501	103.396	ug/l	100
83) tert-Butylbenzene	13.23	119	1610965	104.336	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1871708	104.809	ug/l	98
85) sec-Butylbenzene	13.41	105	2235814	105.507	ug/l	100
86) p-Isopropyltoluene	13.53	119	2132483	106.590	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1060211	104.083	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	1017501	101.176	ug/l	99
89) n-Butylbenzene	13.85	91	1922620	105.823	ug/l	99
90) Hexachloroethane	14.12	117	383862	102.583	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	892488	102.522	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	60052	117.765	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	668952	100.339	ug/l	100
94) Hexachlorobutadiene	15.28	225	424045	103.030	ug/l	100
95) Naphthalene	15.41	128	1148076	103.186	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	571914	100.496	ug/l	98

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

