

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064405.D
 Acq On : 27 Nov 2019 19:46
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:44 AM

Quant Time: Nov 29 07:11:22 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	7.99	168	499123	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	723417	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	627628	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	317698	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	430083	105.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	210.44%	
35) Dibromofluoromethane	7.92	113	438357	105.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.38%	
50) Toluene-d8	10.34	98	1684056	108.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.24%	
62) 4-Bromofluorobenzene	12.64	95	528732	99.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	198.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	413370	99.629	ug/l	99
3) Chloromethane	2.21	50	503037	109.356	ug/l	100
4) Vinyl Chloride	2.35	62	631877	126.174	ug/l	100
5) Bromomethane	2.76	94	448554	138.571	ug/l	96
6) Chloroethane	2.91	64	417007	129.243	ug/l	98
7) Trichlorofluoromethane	3.27	101	1020858	125.018	ug/l	98
8) Diethyl Ether	3.70	74	206404	96.958	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	436153	98.627	ug/l	98
10) Methyl Iodide	4.29	142	569835	128.667	ug/l	99
11) Tert butyl alcohol	5.26	59	124775	437.458	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	420327	99.828	ug/l	99
13) Acrolein	3.92	56	168020	655.568	ug/l	100
14) Allyl chloride	4.71	41	671828	92.251	ug/l	99
15) Acrylonitrile	5.43	53	444128	486.639	ug/l	98
16) Acetone	4.16	43	383385	400.120	ug/l	94
17) Carbon Disulfide	4.40	76	1352379	102.750	ug/l	98
18) Methyl Acetate	4.73	43	227106	84.254	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	948720	94.676	ug/l	100
20) Methylene Chloride	4.96	84	444556	90.001	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	479244	100.277	ug/l	99
22) Diisopropyl ether	6.37	45	1291912	94.223	ug/l	97
23) Vinyl Acetate	6.31	43	3912055	507.704	ug/l	99
24) 1,1-Dichloroethane	6.26	63	787916	98.527	ug/l	97
25) 2-Butanone	7.22	43	564175	448.675	ug/l	100
26) 2,2-Dichloropropane	7.21	77	684070	88.939	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	524151	101.783	ug/l	99
28) Bromochloromethane	7.55	49	278426	100.171	ug/l	98
29) Tetrahydrofuran	7.57	42	357754	471.743	ug/l	99
30) Chloroform	7.71	83	815200	99.348	ug/l	99
31) Cyclohexane	7.98	56	721765	89.941	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	761632	97.486	ug/l	99
36) 1,1-Dichloropropene	8.11	75	650146	98.091	ug/l	99
37) Ethyl Acetate	7.30	43	260281	92.233	ug/l	99
38) Carbon Tetrachloride	8.10	117	705359	99.072	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	804015	95.322	ug/l	100
40) Benzene	8.35	78	1827939	100.159	ug/l	98
41) Methacrylonitrile	7.53	41	149604	84.638	ug/l	91
42) 1,2-Dichloroethane	8.43	62	516560	94.607	ug/l	99
43) Isopropyl Acetate	8.46	43	519043	89.934	ug/l	99
44) Trichloroethene	9.11	130	535417	98.036	ug/l	98
45) 1,2-Dichloropropane	9.39	63	426733	95.864	ug/l	98
46) Dibromomethane	9.48	93	238038	99.153	ug/l	98
47) Bromodichloromethane	9.67	83	626256	97.444	ug/l	100
48) Methyl methacrylate	9.46	41	239245	85.443	ug/l	96
49) 1,4-Dioxane	9.47	88	55535	1923.456	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	1282422	460.965	ug/l	100
52) Toluene	10.41	92	1203735	100.533	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	602967	94.436	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	711143	95.268	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	324200	99.751	ug/l	97
56) Ethyl methacrylate	10.67	69	420826	93.497	ug/l	98
57) 1,3-Dichloropropane	10.95	76	553099	97.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	771836	430.406	ug/l	100
59) 2-Hexanone	10.99	43	878541	446.592	ug/l	99
60) Dibromochloromethane	11.14	129	444664	98.140	ug/l	99
61) 1,2-Dibromoethane	11.25	107	319818	98.204	ug/l	99
64) Tetrachloroethene	10.88	164	466380	97.348	ug/l	98
65) Chlorobenzene	11.67	112	1257056	98.676	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	487006	100.629	ug/l	98
67) Ethyl Benzene	11.75	91	2296239	99.873	ug/l	99
68) m/p-Xylenes	11.86	106	1773964	201.423	ug/l	100
69) o-Xylene	12.18	106	816950	100.014	ug/l	100
70) Styrene	12.20	104	1444718	101.482	ug/l	99
71) Bromoform	12.37	173	272122	98.502	ug/l #	100
73) Isopropylbenzene	12.48	105	2221620	96.030	ug/l	99
74) N-amyl acetate	12.30	43	483571	88.443	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	335487	94.361	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	263570m	103.945	ug/l	
77) Bromobenzene	12.77	156	534166	94.689	ug/l	99
78) n-propylbenzene	12.83	91	2578074	97.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	1407839	94.619	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1831899	96.273	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	112758	88.812	ug/l	99
82) 4-Chlorotoluene	13.01	91	1485673	95.497	ug/l	100
83) tert-Butylbenzene	13.23	119	1599336	95.788	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	1841247	98.013	ug/l	99
85) sec-Butylbenzene	13.41	105	2173181	96.518	ug/l	99
86) p-Isopropyltoluene	13.53	119	2109774	98.639	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1045450	99.494	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	1004328	98.224	ug/l	99
89) n-Butylbenzene	13.86	91	1880247	97.259	ug/l	99
90) Hexachloroethane	14.12	117	382651	96.494	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	871702	97.758	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	53766	86.223	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	659366	96.355	ug/l	100
94) Hexachlorobutadiene	15.28	225	413815	93.976	ug/l	99
95) Naphthalene	15.41	128	1074057	95.055	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	554659	94.754	ug/l	99

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

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