

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112719\
 Data File : VD064397.D
 Acq On : 27 Nov 2019 15:35
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

apatel
 12/2/2019 10:56:17 AM

Quant Time: Nov 29 07:35:08 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	501419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	714478	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	618341	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298464	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	212811	46.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.78%	
35) Dibromofluoromethane	7.92	113	220313	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.34	98	831412	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.64	95	262324	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	216468	47.645	ug/l	98
3) Chloromethane	2.21	50	263643	46.008	ug/l	97
4) Vinyl Chloride	2.35	62	323840	48.945	ug/l	98
5) Bromomethane	2.77	94	222151	45.403	ug/l	99
6) Chloroethane	2.92	64	210456	47.589	ug/l	99
7) Trichlorofluoromethane	3.27	101	537218	48.842	ug/l	96
8) Diethyl Ether	3.71	74	109414	47.870	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	229292	48.619	ug/l	97
10) Methyl Iodide	4.29	142	274789	55.174	ug/l	100
11) Tert butyl alcohol	5.26	59	71201	246.452	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	221058	48.912	ug/l	97
13) Acrolein	3.92	56	85643	217.335	ug/l	98
14) Allyl chloride	4.71	41	348253	49.374	ug/l	98
15) Acrylonitrile	5.43	53	240859	240.982	ug/l	97
16) Acetone	4.17	43	238851	260.426	ug/l	96
17) Carbon Disulfide	4.40	76	721272	50.389	ug/l	96
18) Methyl Acetate	4.72	43	125946	47.078	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	497166	47.956	ug/l	96
20) Methylene Chloride	4.96	84	232224	49.816	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	248925	48.691	ug/l	97
22) Diisopropyl ether	6.37	45	658508	47.293	ug/l	98
23) Vinyl Acetate	6.31	43	2021940	246.315	ug/l	99
24) 1,1-Dichloroethane	6.27	63	409028	48.846	ug/l	98
25) 2-Butanone	7.22	43	320474	247.080	ug/l	100
26) 2,2-Dichloropropane	7.21	77	366727	50.359	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	265984	47.722	ug/l	98
28) Bromochloromethane	7.55	49	170917	59.725	ug/l	99
29) Tetrahydrofuran	7.57	42	199351	241.575	ug/l	99
30) Chloroform	7.71	83	422925	48.767	ug/l	99
31) Cyclohexane	7.98	56	382739	52.590	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	396741	49.344	ug/l	99
36) 1,1-Dichloropropene	8.11	75	339094	50.177	ug/l	99
37) Ethyl Acetate	7.30	43	143490	50.040	ug/l	98
38) Carbon Tetrachloride	8.10	117	364856	51.154	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	425304	50.734	ug/l	98
40) Benzene	8.36	78	924085	49.233	ug/l	99
41) Methacrylonitrile	7.53	41	77962	47.408	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	269454	49.227	ug/l	99
43) Isopropyl Acetate	8.46	43	280595	49.767	ug/l	98
44) Trichloroethene	9.11	130	280740	49.654	ug/l	97
45) 1,2-Dichloropropane	9.39	63	223602	49.812	ug/l	99
46) Dibromomethane	9.48	93	124399	49.101	ug/l	98
47) Bromodichloromethane	9.66	83	322903	49.602	ug/l	99
48) Methyl methacrylate	9.46	41	130654	50.641	ug/l	95
49) 1,4-Dioxane	9.46	88	30448	973.227	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	695312	249.242	ug/l	100
52) Toluene	10.40	92	597760	48.867	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308774	49.769	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	363816	49.362	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	166373	47.958	ug/l	97
56) Ethyl methacrylate	10.66	69	219521	49.613	ug/l	99
57) 1,3-Dichloropropane	10.95	76	292335	49.503	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	406217	230.301	ug/l	100
59) 2-Hexanone	10.99	43	493049	254.707	ug/l	99
60) Dibromochloromethane	11.14	129	227126	48.287	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165759	47.855	ug/l	99
64) Tetrachloroethene	10.88	164	240655	51.037	ug/l	93
65) Chlorobenzene	11.67	112	638844	49.536	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	239288	50.121	ug/l	98
67) Ethyl Benzene	11.75	91	1143924	49.853	ug/l	99
68) m/p-Xylenes	11.86	106	881378	100.740	ug/l	100
69) o-Xylene	12.18	106	402154	49.770	ug/l	100
70) Styrene	12.20	104	696163	49.579	ug/l	100
71) Bromoform	12.37	173	142670	49.949	ug/l #	96
73) Isopropylbenzene	12.48	105	1105426	51.497	ug/l	99
74) N-amyl acetate	12.29	43	253795	52.093	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	178038	50.155	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	108422m	44.173	ug/l	
77) Bromobenzene	12.77	156	269043	50.754	ug/l	99
78) n-propylbenzene	12.83	91	1273803	51.431	ug/l	100
79) 2-Chlorotoluene	12.91	91	692822	50.837	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	887326	50.584	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60058	53.355	ug/l	97
82) 4-Chlorotoluene	13.01	91	723737	50.157	ug/l	100
83) tert-Butylbenzene	13.23	119	787644	51.647	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	885621	50.209	ug/l	98
85) sec-Butylbenzene	13.41	105	1079986	51.598	ug/l	100
86) p-Isopropyltoluene	13.53	119	1020286	51.632	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	499987	49.695	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	491392	49.470	ug/l	99
89) n-Butylbenzene	13.85	91	918367	51.176	ug/l	99
90) Hexachloroethane	14.12	117	191630	51.848	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	433033	50.362	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29057	55.242	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	323379	49.108	ug/l	100
94) Hexachlorobutadiene	15.28	225	202814	49.890	ug/l	98
95) Naphthalene	15.41	128	547557	49.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	282731	50.299	ug/l	100

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

