

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063829.D
 Acq On : 25 Sep 2019 18:20
 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

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

Quant Time: Sep 26 12:04:45 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	252223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	387293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	371295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	201184	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.36	65	117187	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
35) Dibromofluoromethane	7.94	113	123177	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
50) Toluene-d8	10.36	98	483427	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.64	95	167149	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	70166	40.563	ug/l	100
3) Chloromethane	2.22	50	229016	43.689	ug/l	100
4) Vinyl Chloride	2.36	62	248482	46.447	ug/l	100
5) Bromomethane	2.78	94	149529	47.772	ug/l	100
6) Chloroethane	2.94	64	162711	44.163	ug/l	100
7) Trichlorofluoromethane	3.29	101	337951	46.986	ug/l	100
8) Diethyl Ether	3.73	74	50484	43.046	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	99748	46.750	ug/l	100
10) Methyl Iodide	4.31	142	131538	51.637	ug/l	100
11) Tert butyl alcohol	5.28	59	38549m	209.502	ug/l	
12) 1,1-Dichloroethene	4.09	96	98787	45.867	ug/l	100
13) Acrolein	3.95	56	54792	244.586	ug/l	100
14) Allyl chloride	4.74	41	157160	46.163	ug/l	100
15) Acrylonitrile	5.46	53	121930	235.337	ug/l	100
16) Acetone	4.19	43	123823	232.267	ug/l	100
17) Carbon Disulfide	4.43	76	347080	47.671	ug/l	100
18) Methyl Acetate	4.74	43	57059	43.471	ug/l	100
19) Methyl tert-butyl Ether	5.51	73	255980	47.472	ug/l	100
20) Methylene Chloride	4.98	84	130020	40.536	ug/l	100
21) trans-1,2-Dichloroethene	5.49	96	118621	47.316	ug/l	100
22) Diisopropyl ether	6.39	45	341548	48.575	ug/l	100
23) Vinyl Acetate	6.34	43	997299	239.801	ug/l	100
24) 1,1-Dichloroethane	6.29	63	206510	48.343	ug/l	100
25) 2-Butanone	7.24	43	160829	230.764	ug/l	100
26) 2,2-Dichloropropane	7.24	77	192267	48.127	ug/l	100
27) cis-1,2-Dichloroethene	7.24	96	139394	49.553	ug/l	100
28) Bromochloromethane	7.57	49	89585	53.444	ug/l	100
29) Tetrahydrofuran	7.60	42	98384	235.593	ug/l	100
30) Chloroform	7.73	83	222798	48.018	ug/l	100
31) Cyclohexane	8.00	56	197860	46.400	ug/l	100
32) 1,1,1-Trichloroethane	7.93	97	197221	47.008	ug/l	100
36) 1,1-Dichloropropene	8.13	75	175486	49.675	ug/l	100
37) Ethyl Acetate	7.33	43	67285	45.604	ug/l	100
38) Carbon Tetrachloride	8.12	117	185983	50.581	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	222285	50.533	ug/l	100
40) Benzene	8.37	78	491640	50.533	ug/l	100
41) Methacrylonitrile	7.56	41	40148	46.075	ug/l	100
42) 1,2-Dichloroethane	8.45	62	141813	49.847	ug/l	100
43) Isopropyl Acetate	8.48	43	141415	47.811	ug/l	100
44) Trichloroethene	9.13	130	141960	50.385	ug/l	100
45) 1,2-Dichloropropane	9.41	63	118894	49.471	ug/l	100
46) Dibromomethane	9.49	93	68428	50.446	ug/l	100
47) Bromodichloromethane	9.68	83	176738	50.543	ug/l	100
48) Methyl methacrylate	9.47	41	64148	47.684	ug/l	100
49) 1,4-Dioxane	9.48	88	17554	927.642	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	355296	238.443	ug/l	100
52) Toluene	10.42	92	334553	50.715	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	177552	51.226	ug/l	100
54) cis-1,3-Dichloropropene	10.11	75	201306	51.165	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	97551	50.895	ug/l	100
56) Ethyl methacrylate	10.68	69	122045	50.098	ug/l	100
57) 1,3-Dichloropropane	10.96	76	161219	49.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.96	63	266126	244.414	ug/l	100
59) 2-Hexanone	11.00	43	252021	237.047	ug/l	100
60) Dibromochloromethane	11.16	129	127919	50.572	ug/l	100
61) 1,2-Dibromoethane	11.26	107	96771	50.504	ug/l	100
64) Tetrachloroethene	10.89	164	126363	50.524	ug/l	100
65) Chlorobenzene	11.68	112	379911	50.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.76	131	139102	50.677	ug/l	100
67) Ethyl Benzene	11.76	91	691189	51.233	ug/l	100
68) m/p-Xylenes	11.87	106	528184	101.951	ug/l	100
69) o-Xylene	12.20	106	252522	51.641	ug/l	100
70) Styrene	12.21	104	434876	52.548	ug/l	100
71) Bromoform	12.37	173	81024	53.137	ug/l #	100
73) Isopropylbenzene	12.49	105	684651	49.823	ug/l	100
74) N-amyl acetate	12.30	43	141336	46.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	112610	49.165	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	69915m	54.796	ug/l	
77) Bromobenzene	12.77	156	165900	50.235	ug/l	100
78) n-propylbenzene	12.83	91	802251	49.623	ug/l	100
79) 2-Chlorotoluene	12.92	91	442240	50.716	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	579338	50.574	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	36678	48.018	ug/l	100
82) 4-Chlorotoluene	13.02	91	461310	49.592	ug/l	100
83) tert-Butylbenzene	13.24	119	499453	49.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	589448	50.685	ug/l	100
85) sec-Butylbenzene	13.41	105	695977	49.970	ug/l	100
86) p-Isopropyltoluene	13.53	119	668477	51.104	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	329720	50.851	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	316398	49.064	ug/l	100
89) n-Butylbenzene	13.86	91	627689	50.419	ug/l	100
90) Hexachloroethane	14.13	117	123311	50.895	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	281776	50.662	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	17353	44.902	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217884	51.586	ug/l	100
94) Hexachlorobutadiene	15.28	225	122636	51.245	ug/l	100
95) Naphthalene	15.41	128	377696	49.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	190323	50.825	ug/l	100

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

