

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061957.D
 Acq On : 23 Apr 2019 1:13
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:35:18 AM

Quant Time: Apr 23 09:20:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 13:49:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	501780	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	863801	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	721323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	347003	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.46	65	250918	59.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	119.34%	
35) Dibromofluoromethane	6.92	113	341135	52.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.54%	
50) Toluene-d8	10.41	98	745374	48.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.40%	
62) 4-Bromofluorobenzene	13.56	95	329452	52.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.14%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	246336	50.298	ug/l	99
3) Chloromethane	1.75	50	190416	48.786	ug/l	97
4) Vinyl Chloride	1.84	62	172045	44.414	ug/l	95
5) Bromomethane	2.15	94	58089	68.361	ug/l	98
6) Chloroethane	2.27	64	72231	54.660	ug/l	99
7) Trichlorofluoromethane	2.53	101	300730	47.868	ug/l	97
8) Diethyl Ether	2.87	74	71846	43.637	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.15	101	234363	41.837	ug/l	99
10) Methyl Iodide	3.31	142	431158	48.339	ug/l	97
11) Tert butyl alcohol	4.05	59	68448	275.998	ug/l	100
12) 1,1-Dichloroethene	3.12	96	195009	41.409	ug/l	98
13) Acrolein	3.04	56	60773	253.129	ug/l	98
14) Allyl chloride	3.62	41	290912	45.320	ug/l	97
15) Acrylonitrile	4.19	53	210895	270.873	ug/l	96
16) Acetone	3.21	43	227065	219.075	ug/l	94
17) Carbon Disulfide	3.37	76	607815	39.946	ug/l	98
18) Methyl Acetate	3.64	43	100766	48.506	ug/l	96
19) Methyl tert-butyl Ether	4.24	73	503664	57.309	ug/l	96
20) Methylene Chloride	3.81	84	252973	49.012	ug/l	97
21) trans-1,2-Dichloroethene	4.22	96	265657	51.330	ug/l	99
22) Diisopropyl ether	5.11	45	787179	57.369	ug/l	96
23) Vinyl Acetate	5.05	43	2163142	294.910	ug/l	100
24) 1,1-Dichloroethane	4.98	63	468117	56.269	ug/l	99
25) 2-Butanone	6.07	43	329116	278.914	ug/l	95
26) 2,2-Dichloropropane	6.03	77	355347	49.418	ug/l	98
27) cis-1,2-Dichloroethene	6.04	96	292660	52.164	ug/l	99
28) Bromochloromethane	6.44	49	186598	59.051	ug/l	98
29) Tetrahydrofuran	6.45	42	177882	309.472	ug/l	99
30) Chloroform	6.67	83	548673	59.130	ug/l	97
31) Cyclohexane	6.95	56	312865	49.126	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	451057	54.837	ug/l	98
36) 1,1-Dichloropropene	7.15	75	368760	52.242	ug/l	97
37) Ethyl Acetate	6.18	43	166271	55.038	ug/l #	93
38) Carbon Tetrachloride	7.11	117	450826m	50.580	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	353268	48.195	ug/l	98
40) Benzene	7.46	78	935307	55.192	ug/l	98
41) Methacrylonitrile	6.44	41	206046	57.704	ug/l	95
42) 1,2-Dichloroethane	7.57	62	325819	55.205	ug/l	95
43) Isopropyl Acetate	9.24	43	232860	54.774	ug/l	99
44) Trichloroethene	8.54	130	360265	55.224	ug/l	99
45) 1,2-Dichloropropane	8.94	63	233621	52.926	ug/l	100
46) Dibromomethane	9.06	93	178341	56.702	ug/l	96
47) Bromodichloromethane	9.38	83	392666	54.116	ug/l	97
48) Methyl methacrylate	9.12	41	132300	52.941	ug/l	98
49) 1,4-Dioxane	9.08	88	29448	1078.120	ug/l	98
51) 4-Methyl-2-Pentanone	10.30	43	769770	296.084	ug/l	99
52) Toluene	10.51	92	578833	53.301	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	348396	53.286	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	411626	53.634	ug/l	96
55) 1,1,2-Trichloroethane	11.20	97	199587	54.542	ug/l	99
56) Ethyl methacrylate	11.04	69	215823	53.738	ug/l	98
57) 1,3-Dichloropropane	11.41	76	303849	55.232	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.86	63	520211	272.320	ug/l	100
59) 2-Hexanone	11.53	43	500866	259.387	ug/l	97
60) Dibromochloromethane	11.69	129	327613	54.716	ug/l	99
61) 1,2-Dibromoethane	11.81	107	257462	57.220	ug/l	97
64) Tetrachloroethene	11.27	164	267086	49.372	ug/l	98
65) Chlorobenzene	12.40	112	730429	54.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	300371	53.356	ug/l	97
67) Ethyl Benzene	12.53	91	1086247	50.493	ug/l	99
68) m/p-Xylenes	12.67	106	820496	101.535	ug/l	99
69) o-Xylene	13.05	106	372948	49.102	ug/l	96
70) Styrene	13.08	104	637053	48.740	ug/l	97
71) Bromoform	13.23	173	184439	55.195	ug/l	99
73) Isopropylbenzene	13.40	105	990923	44.033	ug/l	99
74) N-amyl acetate	13.26	43	281675	46.546	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	236207	53.100	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	239001	52.446	ug/l	98
77) Bromobenzene	13.68	156	321129	50.234	ug/l	98
78) n-propylbenzene	13.78	91	1307673	50.294	ug/l	99
79) 2-Chlorotoluene	13.84	91	747078	49.186	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	869204	48.678	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	71401	48.450	ug/l	90
82) 4-Chlorotoluene	13.95	91	833607	47.949	ug/l	97
83) tert-Butylbenzene	14.19	119	1072078	51.133	ug/l	98
84) 1,2,4-Trimethylbenzene	14.24	105	821625	45.775	ug/l	97
85) sec-Butylbenzene	14.37	105	1084667	50.043	ug/l	98
86) p-Isopropyltoluene	14.49	119	968188	47.742	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	549185	49.210	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	537368	48.711	ug/l	95
89) n-Butylbenzene	14.80	91	919545	51.225	ug/l	98
90) Hexachloroethane	15.01	117	294350	53.252	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	485640	51.951	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	32540	51.607	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	248746	48.448	ug/l	92
94) Hexachlorobutadiene	16.04	225	183956	49.440	ug/l	99
95) Naphthalene	16.13	128	423411	53.804	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	145947	49.882	ug/l	96

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

