

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD062619\
 Data File : VD062907.D
 Acq On : 26 Jun 2019 10:15
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/29/2019 7:22:33 AM

Quant Time: Jun 27 09:06:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D061919S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 01:50:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	988682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1346730	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	1125049	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.53	152	599549	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	491380	45.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.44%	
35) Dibromofluoromethane	6.93	113	520071	45.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.60%	
50) Toluene-d8	10.41	98	1202227	48.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.28%	
62) 4-Bromofluorobenzene	13.56	95	537473	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	546386	42.707	ug/l	100
3) Chloromethane	1.75	50	414396	43.068	ug/l	99
4) Vinyl Chloride	1.85	62	439441	46.063	ug/l	93
5) Bromomethane	2.14	94	209033	46.787	ug/l	99
6) Chloroethane	2.26	64	202146	46.803	ug/l	93
7) Trichlorofluoromethane	2.53	101	932109	48.278	ug/l	97
8) Diethyl Ether	2.87	74	122593	49.975	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	3.15	101	497353	47.550	ug/l	93
10) Methyl Iodide	3.29	142	659589	47.799	ug/l	95
11) Tert butyl alcohol	4.08	59	115905	236.802	ug/l #	91
12) 1,1-Dichloroethene	3.12	96	368446	46.957	ug/l	86
13) Acrolein	3.03	56	132935	266.039	ug/l	99
14) Allyl chloride	3.61	41	601915	51.916	ug/l	99
15) Acrylonitrile	4.19	53	293955	255.591	ug/l	98
16) Acetone	3.22	43	567275	260.590	ug/l	98
17) Carbon Disulfide	3.36	76	1144867	45.654	ug/l	97
18) Methyl Acetate	3.64	43	158957	48.997	ug/l	94
19) Methyl tert-butyl Ether	4.24	73	842772	49.615	ug/l	97
20) Methylene Chloride	3.81	84	401909	49.037	ug/l	94
21) trans-1,2-Dichloroethene	4.21	96	393713	47.124	ug/l	92
22) Diisopropyl ether	5.12	45	1143518	48.499	ug/l #	94
23) Vinyl Acetate	5.06	43	3863560	261.866	ug/l	99
24) 1,1-Dichloroethane	4.98	63	756058	49.250	ug/l	98
25) 2-Butanone	6.07	43	551720	274.490	ug/l #	92
26) 2,2-Dichloropropane	6.02	77	818971	50.331	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	422760	47.850	ug/l	95
28) Bromochloromethane	6.43	49	274017	50.681	ug/l	89
29) Tetrahydrofuran	6.45	42	252595	265.610	ug/l	97
30) Chloroform	6.66	83	935493	50.108	ug/l	100
31) Cyclohexane	6.96	56	496660	49.213	ug/l	94
32) 1,1,1-Trichloroethane	6.87	97	972623	50.017	ug/l	96
36) 1,1-Dichloropropene	7.14	75	616492	48.357	ug/l	97
37) Ethyl Acetate	6.19	43	260033	48.523	ug/l #	92
38) Carbon Tetrachloride	7.10	117	933713m	48.698	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	525419	46.821	ug/l	96
40) Benzene	7.45	78	1244117	48.616	ug/l	100
41) Methacrylonitrile	6.44	41	337785	50.242	ug/l	97
42) 1,2-Dichloroethane	7.58	62	714548	51.184	ug/l	99
43) Isopropyl Acetate	9.24	43	331287	49.566	ug/l #	94
44) Trichloroethene	8.54	130	526084	52.437	ug/l	96
45) 1,2-Dichloropropane	8.94	63	307481	48.321	ug/l	97
46) Dibromomethane	9.06	93	265443	48.561	ug/l	96
47) Bromodichloromethane	9.38	83	715443	50.397	ug/l	99
48) Methyl methacrylate	9.12	41	238689	50.254	ug/l	97
49) 1,4-Dioxane	9.09	88	40992	1037.366	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	1243655	262.446	ug/l	99
52) Toluene	10.51	92	868248	50.474	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	633134	54.490	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	603148	47.758	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	277607	46.973	ug/l	94
56) Ethyl methacrylate	11.04	69	330537	52.334	ug/l	97
57) 1,3-Dichloropropane	11.41	76	449139	49.634	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.86	63	878724	271.003	ug/l	100
59) 2-Hexanone	11.53	43	878087	260.185	ug/l	99
60) Dibromochloromethane	11.69	129	555781	50.488	ug/l	97
61) 1,2-Dibromoethane	11.81	107	340108	48.726	ug/l	94
64) Tetrachloroethene	11.26	164	430593	46.503	ug/l	99
65) Chlorobenzene	12.40	112	994420	47.626	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	462292	47.344	ug/l	95
67) Ethyl Benzene	12.53	91	1780640	47.500	ug/l	100
68) m/p-Xylenes	12.68	106	1290198	98.817	ug/l	94
69) o-Xylene	13.05	106	607055	50.861	ug/l	100
70) Styrene	13.08	104	1036857	49.458	ug/l	92
71) Bromoform	13.24	173	341455	51.039	ug/l	93
73) Isopropylbenzene	13.40	105	1975932	51.400	ug/l	99
74) N-amyl acetate	13.27	43	515509	55.220	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.70	83	336633	53.745	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	362031	52.306	ug/l	96
77) Bromobenzene	13.67	156	503188	48.665	ug/l	90
78) n-propylbenzene	13.78	91	2171612	48.535	ug/l	97
79) 2-Chlorotoluene	13.85	91	1285408	50.271	ug/l	94
80) 1,3,5-Trimethylbenzene	13.94	105	1622557	50.250	ug/l	95
81) trans-1,4-Dichloro-2-buten	13.47	75	94748	52.232	ug/l	88
82) 4-Chlorotoluene	13.95	91	1481387	48.123	ug/l	94
83) tert-Butylbenzene	14.19	119	1749664	48.613	ug/l	94
84) 1,2,4-Trimethylbenzene	14.24	105	1621524	48.995	ug/l	98
85) sec-Butylbenzene	14.37	105	1823239	46.608	ug/l	94
86) p-Isopropyltoluene	14.50	119	1832696	51.211	ug/l	96
87) 1,3-Dichlorobenzene	14.46	146	867557	46.807	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	896536	48.159	ug/l	96
89) n-Butylbenzene	14.80	91	1656783	49.463	ug/l	97
90) Hexachloroethane	15.01	117	476981	49.572	ug/l	84
91) 1,2-Dichlorobenzene	14.81	146	789475	49.784	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.38	75	67817	55.474	ug/l	76

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	652462	52.670	ug/l	95
94) Hexachlorobutadiene	16.04	225	484107	51.154	ug/l	97
95) Naphthalene	16.13	128	936945	53.963	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	478417	50.265	ug/l	93

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

