

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061533.D
 Acq On : 3 Apr 2019 1:48
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 1:03:10 PM

Quant Time: Apr 03 04:58:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	621962	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1128506	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	886451	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	14.52	152	409118	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	289906	54.56	ug/l	0.03
Spiked Amount 50.000			Recovery	=	109.12%	
35) Dibromofluoromethane	6.93	113	438802	50.88	ug/l	0.03
Spiked Amount 50.000			Recovery	=	101.76%	
50) Toluene-d8	10.42	98	994746	48.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	96.18%	
62) 4-Bromofluorobenzene	13.56	95	384471	48.47	ug/l	0.01
Spiked Amount 50.000			Recovery	=	96.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	331344	49.884	ug/l	97
3) Chloromethane	1.76	50	236384	43.636	ug/l	99
4) Vinyl Chloride	1.86	62	251340	50.532	ug/l	99
5) Bromomethane	2.17	94	54005	54.755	ug/l #	95
6) Chloroethane	2.29	64	77219	52.940	ug/l	96
7) Trichlorofluoromethane	2.54	101	351392	48.584	ug/l	97
8) Diethyl Ether	2.89	74	118479	50.878	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.17	101	397530	51.124	ug/l	99
10) Methyl Iodide	3.32	142	565422	47.982	ug/l	100
11) Tert butyl alcohol	4.08	59	94775	286.433	ug/l	96
12) 1,1-Dichloroethene	3.14	96	342813	51.351	ug/l	97
13) Acrolein	3.05	56	48721	187.534	ug/l	93
14) Allyl chloride	3.64	41	503800	54.106	ug/l	98
15) Acrylonitrile	4.22	53	324321	282.406	ug/l	98
16) Acetone	3.23	43	333933	244.495	ug/l	99
17) Carbon Disulfide	3.40	76	1026923	47.345	ug/l	99
18) Methyl Acetate	3.65	43	164187	57.175	ug/l	98
19) Methyl tert-butyl Ether	4.26	73	634910	54.942	ug/l	97
20) Methylene Chloride	3.83	84	418807	54.926	ug/l	96
21) trans-1,2-Dichloroethene	4.24	96	374365	51.940	ug/l	99
22) Diisopropyl ether	5.14	45	1103432	56.000	ug/l	99
23) Vinyl Acetate	5.07	43	2866383	267.805	ug/l	97
24) 1,1-Dichloroethane	5.00	63	612887	52.926	ug/l	99
25) 2-Butanone	6.09	43	455302	265.009	ug/l	99
26) 2,2-Dichloropropane	6.04	77	472768	51.358	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	431139	54.596	ug/l	98
28) Bromochloromethane	6.45	49	269133	57.575	ug/l #	93
29) Tetrahydrofuran	6.47	42	236540	284.051	ug/l	99
30) Chloroform	6.68	83	681712	56.974	ug/l	100
31) Cyclohexane	6.97	56	465996	50.923	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	569690	53.968	ug/l	98
36) 1,1-Dichloropropene	7.16	75	429567	43.614	ug/l	98
37) Ethyl Acetate	6.19	43	236556	56.158	ug/l	96
38) Carbon Tetrachloride	7.13	117	528132m	46.664	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	514646	50.170	ug/l	95
40) Benzene	7.46	78	1239063	50.126	ug/l	97
41) Methacrylonitrile	6.45	41	273475	55.526	ug/l #	92
42) 1,2-Dichloroethane	7.59	62	401797	54.340	ug/l	99
43) Isopropyl Acetate	9.25	43	346533	56.541	ug/l #	99
44) Trichloroethene	8.56	130	457024	49.681	ug/l	96
45) 1,2-Dichloropropane	8.95	63	322739	51.490	ug/l	99
46) Dibromomethane	9.07	93	223890	53.069	ug/l	94
47) Bromodichloromethane	9.38	83	507116	53.555	ug/l	99
48) Methyl methacrylate	9.13	41	177591	52.504	ug/l	99
49) 1,4-Dioxane	9.09	88	42099	1128.419	ug/l	90
51) 4-Methyl-2-Pentanone	10.31	43	1025259	274.961	ug/l	98
52) Toluene	10.52	92	742226	49.218	ug/l	100
53) t-1,3-Dichloropropene	10.92	75	440795	51.237	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	530324	50.625	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	264329	50.120	ug/l	97
56) Ethyl methacrylate	11.05	69	304205	53.693	ug/l	99
57) 1,3-Dichloropropane	11.41	76	398125	51.359	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	775818	281.180	ug/l	97
59) 2-Hexanone	11.53	43	686791	254.218	ug/l	99
60) Dibromochloromethane	11.69	129	424294	52.186	ug/l	97
61) 1,2-Dibromoethane	11.81	107	291850	47.789	ug/l	97
64) Tetrachloroethene	11.26	164	328642	47.239	ug/l	97
65) Chlorobenzene	12.41	112	908614	50.155	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	371253	52.928	ug/l	98
67) Ethyl Benzene	12.52	91	1395864	50.480	ug/l	96
68) m/p-Xylenes	12.67	106	988840	94.403	ug/l	94
69) o-Xylene	13.06	106	512745	50.443	ug/l	96
70) Styrene	13.08	104	841046	47.465	ug/l	97
71) Bromoform	13.23	173	232885	52.375	ug/l	99
73) Isopropylbenzene	13.41	105	1268950	44.565	ug/l	99
74) N-amyl acetate	13.26	43	405302	51.097	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.71	83	295167	49.140	ug/l	94
76) 1,2,3-Trichloropropane	13.74	75	291000	49.240	ug/l	98
77) Bromobenzene	13.68	156	417795	49.493	ug/l	83
78) n-propylbenzene	13.77	91	1617958	46.432	ug/l	98
79) 2-Chlorotoluene	13.84	91	933798	49.354	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1136393	51.437	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	84468	46.877	ug/l	97
82) 4-Chlorotoluene	13.95	91	1048885	50.984	ug/l	98
83) tert-Butylbenzene	14.19	119	1304428	47.245	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1096463	45.842	ug/l	99
85) sec-Butylbenzene	14.37	105	1394771	47.553	ug/l	98
86) p-Isopropyltoluene	14.49	119	1290851	52.046	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	669612	46.843	ug/l	100
88) 1,4-Dichlorobenzene	14.54	146	676413	48.523	ug/l	98
89) n-Butylbenzene	14.80	91	1028497	45.180	ug/l	100
90) Hexachloroethane	15.01	117	350868	50.074	ug/l	67
91) 1,2-Dichlorobenzene	14.81	146	554535	47.295	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	40825	57.950	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	286614	53.661	ug/l	96
94) Hexachlorobutadiene	16.04	225	212437	50.898	ug/l	99
95) Naphthalene	16.13	128	438094	53.811	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	150664	64.102	ug/l	97

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

