

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD043019\
 Data File : VD062082.D
 Acq On : 30 Apr 2019 12:28
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 7:23:30 AM

Quant Time: May 01 01:20:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 14:52:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	598194	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	8.20	114	910476	50.00	ug/l	-0.02
63) Chlorobenzene-d5	12.36	117	782750	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	14.51	152	376392	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	248992	53.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	106.36%	
35) Dibromofluoromethane	6.91	113	349819	55.55	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.10%	
50) Toluene-d8	10.40	98	840388	56.09	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	13.55	95	349904	58.22	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	116.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	275297	51.540	ug/l	98
3) Chloromethane	1.75	50	204737	45.098	ug/l	99
4) Vinyl Chloride	1.85	62	189717	46.107	ug/l	99
5) Bromomethane	2.15	94	58804	55.643	ug/l	98
6) Chloroethane	2.27	64	76140	51.190	ug/l	94
7) Trichlorofluoromethane	2.53	101	340912	54.796	ug/l	96
8) Diethyl Ether	2.87	74	81028	48.594	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.14	101	297118	51.843	ug/l	96
10) Methyl Iodide	3.30	142	413422	47.636	ug/l	98
11) Tert butyl alcohol	4.05	59	67737	256.071	ug/l	97
12) 1,1-Dichloroethene	3.12	96	238068	48.825	ug/l	98
13) Acrolein	3.02	56	68552	249.769	ug/l	96
14) Allyl chloride	3.62	41	316479	47.533	ug/l	93
15) Acrylonitrile	4.18	53	196252	239.592	ug/l	96
16) Acetone	3.21	43	320312	286.536	ug/l	98
17) Carbon Disulfide	3.37	76	645960	45.845	ug/l	99
18) Methyl Acetate	3.63	43	95766	47.112	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	443418	45.834	ug/l	95
20) Methylene Chloride	3.81	84	267731	49.141	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	246401	44.051	ug/l	94
22) Diisopropyl ether	5.10	45	734688	47.263	ug/l	95
23) Vinyl Acetate	5.04	43	1993910	246.308	ug/l	100
24) 1,1-Dichloroethane	4.97	63	441719	47.014	ug/l	99
25) 2-Butanone	6.06	43	325087	239.856	ug/l	96
26) 2,2-Dichloropropane	6.01	77	424601	51.803	ug/l	97
27) cis-1,2-Dichloroethene	6.02	96	305117	47.949	ug/l	97
28) Bromochloromethane	6.43	49	179418	49.909	ug/l	99
29) Tetrahydrofuran	6.44	42	155605	233.008	ug/l	99
30) Chloroform	6.65	83	514896	48.249	ug/l	97
31) Cyclohexane	6.95	56	324276	46.500	ug/l	100
32) 1,1,1-Trichloroethane	6.86	97	451997	48.680	ug/l	99
36) 1,1-Dichloropropene	7.13	75	363105	51.188	ug/l	98
37) Ethyl Acetate	6.17	43	151557	50.138	ug/l	97
38) Carbon Tetrachloride	7.10	117	465771m	51.817	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	405464	57.934	ug/l	97
40) Benzene	7.44	78	875968	49.880	ug/l	97
41) Methacrylonitrile	6.44	41	176757	50.116	ug/l #	87
42) 1,2-Dichloroethane	7.56	62	324817	54.475	ug/l	98
43) Isopropyl Acetate	9.23	43	221005	50.038	ug/l #	99
44) Trichloroethene	8.53	130	368293	54.095	ug/l	100
45) 1,2-Dichloropropane	8.92	63	234633	52.666	ug/l	100
46) Dibromomethane	9.05	93	167304	52.189	ug/l	95
47) Bromodichloromethane	9.36	83	402106	53.086	ug/l	97
48) Methyl methacrylate	9.11	41	120661	47.881	ug/l	98
49) 1,4-Dioxane	9.07	88	29170	1073.658	ug/l #	93
51) 4-Methyl-2-Pentanone	10.29	43	731511	270.818	ug/l	100
52) Toluene	10.50	92	587814	52.496	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	374473	58.898	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	444233	57.447	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	207519	55.203	ug/l	98
56) Ethyl methacrylate	11.03	69	217056	52.133	ug/l	99
57) 1,3-Dichloropropane	11.39	76	315888	54.407	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	532937	275.319	ug/l	98
59) 2-Hexanone	11.52	43	577716	285.120	ug/l	99
60) Dibromochloromethane	11.68	129	324500	52.170	ug/l	100
61) 1,2-Dibromoethane	11.80	107	240144	53.852	ug/l	99
64) Tetrachloroethene	11.24	164	271524	48.627	ug/l	94
65) Chlorobenzene	12.40	112	687759	46.498	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.50	131	319722	50.959	ug/l	97
67) Ethyl Benzene	12.51	91	1162217	48.141	ug/l	99
68) m/p-Xylenes	12.66	106	879628	100.811	ug/l	99
69) o-Xylene	13.05	106	386634	48.428	ug/l	97
70) Styrene	13.07	104	676511	49.075	ug/l	100
71) Bromoform	13.22	173	189176	52.888	ug/l	98
73) Isopropylbenzene	13.40	105	1188170	47.322	ug/l	98
74) N-amyl acetate	13.26	43	277163	42.863	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	236831	48.134	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	225190	47.114	ug/l	99
77) Bromobenzene	13.67	156	334532	46.446	ug/l	99
78) n-propylbenzene	13.77	91	1421618	49.460	ug/l	98
79) 2-Chlorotoluene	13.83	91	791344	45.454	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	903919	45.150	ug/l	96
81) trans-1,4-Dichloro-2-buten	13.47	75	71819	49.585	ug/l	96
82) 4-Chlorotoluene	13.94	91	871738	45.467	ug/l	96
83) tert-Butylbenzene	14.19	119	1158261	49.942	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	967101	50.591	ug/l	96
85) sec-Butylbenzene	14.37	105	1270783	50.711	ug/l	96
86) p-Isopropyltoluene	14.48	119	971976	43.339	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	582058	46.147	ug/l	95
88) 1,4-Dichlorobenzene	14.53	146	551405	46.746	ug/l	96
89) n-Butylbenzene	14.79	91	993419	49.338	ug/l	96
90) Hexachloroethane	15.01	117	308807	50.920	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	499788	48.036	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.38	75	30128	41.896	ug/l	69

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	258768	46.095	ug/l	97
94) Hexachlorobutadiene	16.03	225	197897	47.635	ug/l	97
95) Naphthalene	16.12	128	413318	45.599	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	148810	46.719	ug/l	98

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

