

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041019\
 Data File : VD061728.D
 Acq On : 10 Apr 2019 23:39
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/11/2019 11:45:48 AM

Quant Time: Apr 11 09:11:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	604754	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.22	114	985352	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.37	117	783461	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	349756	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	215874	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	6.92	113	333570	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.41	98	735166	42.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.74%	
62) 4-Bromofluorobenzene	13.56	95	301536	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	319243	48.931	ug/l	97
3) Chloromethane	1.76	50	238223	45.184	ug/l	95
4) Vinyl Chloride	1.85	62	241599	49.040	ug/l	99
5) Bromomethane	2.16	94	56670	49.697	ug/l	99
6) Chloroethane	2.27	64	87331	56.596	ug/l	99
7) Trichlorofluoromethane	2.53	101	373549	50.218	ug/l	97
8) Diethyl Ether	2.88	74	116106	55.617	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	358359	49.002	ug/l	98
10) Methyl Iodide	3.31	142	562292	51.445	ug/l	97
11) Tert butyl alcohol	4.06	59	83516	271.849	ug/l	100
12) 1,1-Dichloroethene	3.13	96	314146	49.829	ug/l	97
13) Acrolein	3.04	56	115857	309.315	ug/l	92
14) Allyl chloride	3.63	41	422902	49.182	ug/l	96
15) Acrylonitrile	4.20	53	274972	260.012	ug/l	97
16) Acetone	3.22	43	283664	207.007	ug/l	100
17) Carbon Disulfide	3.38	76	948337	46.294	ug/l	100
18) Methyl Acetate	3.65	43	140021	54.311	ug/l	100
19) Methyl tert-butyl Ether	4.25	73	588588	53.919	ug/l	98
20) Methylene Chloride	3.81	84	362743	46.650	ug/l	98
21) trans-1,2-Dichloroethene	4.23	96	336852	49.195	ug/l	99
22) Diisopropyl ether	5.12	45	904864	50.191	ug/l	96
23) Vinyl Acetate	5.05	43	2541880	255.526	ug/l	99
24) 1,1-Dichloroethane	4.99	63	571322	51.715	ug/l	99
25) 2-Butanone	6.08	43	385036	243.734	ug/l	99
26) 2,2-Dichloropropane	6.03	77	431131	47.927	ug/l	99
27) cis-1,2-Dichloroethene	6.04	96	373102	51.076	ug/l	98
28) Bromochloromethane	6.44	49	227562	55.839	ug/l	98
29) Tetrahydrofuran	6.45	42	194797	255.440	ug/l	99
30) Chloroform	6.67	83	579504	50.073	ug/l	99
31) Cyclohexane	6.95	56	398680	46.194	ug/l	96
32) 1,1,1-Trichloroethane	6.88	97	491607	48.473	ug/l	98
36) 1,1-Dichloropropene	7.15	75	445062	51.609	ug/l	99
37) Ethyl Acetate	6.19	43	197039	56.096	ug/l	98
38) Carbon Tetrachloride	7.12	117	554615m	54.875	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	410237	46.336	ug/l	97
40) Benzene	7.46	78	1031049	49.559	ug/l	100
41) Methacrylonitrile	6.45	41	220397	53.750	ug/l	95
42) 1,2-Dichloroethane	7.58	62	358493	54.792	ug/l	99
43) Isopropyl Acetate	9.24	43	262257	51.446	ug/l #	99
44) Trichloroethene	8.54	130	402534	50.470	ug/l	97
45) 1,2-Dichloropropane	8.94	63	281950	54.648	ug/l	97
46) Dibromomethane	9.06	93	207197	56.191	ug/l	96
47) Bromodichloromethane	9.38	83	481153	59.412	ug/l	99
48) Methyl methacrylate	9.12	41	162622	55.342	ug/l	95
49) 1,4-Dioxane	9.08	88	38268	1179.842	ug/l	92
51) 4-Methyl-2-Pentanone	10.30	43	890038	295.226	ug/l	97
52) Toluene	10.52	92	668093	51.427	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	403915	56.897	ug/l	100
54) cis-1,3-Dichloropropene	10.05	75	486947	55.644	ug/l	98
55) 1,1,2-Trichloroethane	11.20	97	224266	51.185	ug/l	99
56) Ethyl methacrylate	11.04	69	259436	56.128	ug/l	97
57) 1,3-Dichloropropane	11.41	76	367082	57.209	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	586319	268.834	ug/l	98
59) 2-Hexanone	11.53	43	618062	264.163	ug/l	97
60) Dibromochloromethane	11.69	129	389918	56.327	ug/l	99
61) 1,2-Dibromoethane	11.81	107	288610	56.324	ug/l	93
64) Tetrachloroethene	11.26	164	325154	53.466	ug/l	98
65) Chlorobenzene	12.40	112	833593	53.652	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.52	131	330602	55.297	ug/l	96
67) Ethyl Benzene	12.53	91	1260460	53.275	ug/l	99
68) m/p-Xylenes	12.67	106	914135	100.220	ug/l	97
69) o-Xylene	13.05	106	492455	55.930	ug/l	98
70) Styrene	13.08	104	844112	56.137	ug/l	99
71) Bromoform	13.23	173	214949	57.945	ug/l	95
73) Isopropylbenzene	13.40	105	1201013	51.536	ug/l	98
74) N-amyl acetate	13.26	43	349155	55.142	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	274562	56.979	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	279259	58.687	ug/l	97
77) Bromobenzene	13.67	156	369355	54.602	ug/l	95
78) n-propylbenzene	13.78	91	1531408	54.934	ug/l	98
79) 2-Chlorotoluene	13.85	91	764588	47.962	ug/l	100
80) 1,3,5-Trimethylbenzene	13.93	105	927951	50.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	83114	57.560	ug/l #	88
82) 4-Chlorotoluene	13.94	91	890546	50.980	ug/l	89
83) tert-Butylbenzene	14.19	119	1217881	54.608	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1000051	53.569	ug/l	97
85) sec-Butylbenzene	14.37	105	1227831	50.956	ug/l	98
86) p-Isopropyltoluene	14.49	119	1108849	53.047	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	645109	55.414	ug/l	98
88) 1,4-Dichlorobenzene	14.53	146	600009	51.080	ug/l	96
89) n-Butylbenzene	14.80	91	1055373	58.087	ug/l	98
90) Hexachloroethane	15.01	117	306468	54.034	ug/l	91
91) 1,2-Dichlorobenzene	14.81	146	557945	58.151	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35311	60.726	ug/l	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	294078	60.160	ug/l	96
94) Hexachlorobutadiene	16.04	225	210634	55.804	ug/l	97
95) Naphthalene	16.13	128	472807	61.128	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	142102	58.247	ug/l	98

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

