

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042319\
 Data File : VD061960.D
 Acq On : 23 Apr 2019 3:31
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD042319

Manual Integrations
 APPROVED

MMDadoda
 4/24/2019 12:35:23 AM

Quant Time: Apr 23 09:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D042319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 09:30:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	604381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1002574	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	777373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	361162	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	257227	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
35) Dibromofluoromethane	6.92	113	374708	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
50) Toluene-d8	10.42	98	794157	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
62) 4-Bromofluorobenzene	13.56	95	336432	44.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.58	85	254154	43.588	ug/l	97
3) Chloromethane	1.75	50	230753	50.200	ug/l	97
4) Vinyl Chloride	1.85	62	210218	51.015	ug/l	98
5) Bromomethane	2.16	94	66716	52.513	ug/l	97
6) Chloroethane	2.27	64	82400	52.506	ug/l	96
7) Trichlorofluoromethane	2.53	101	327549	49.085	ug/l	95
8) Diethyl Ether	2.88	74	98251	56.157	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	298431	50.270	ug/l	98
10) Methyl Iodide	3.31	142	452460	46.369	ug/l	97
11) Tert butyl alcohol	4.05	59	75793	250.556	ug/l	100
12) 1,1-Dichloroethene	3.13	96	250047	51.996	ug/l	97
13) Acrolein	3.03	56	76488	346.380	ug/l	98
14) Allyl chloride	3.63	41	345285	49.145	ug/l	98
15) Acrylonitrile	4.20	53	260246	276.477	ug/l	99
16) Acetone	3.22	43	274503	260.818	ug/l	98
17) Carbon Disulfide	3.38	76	696330	48.809	ug/l	100
18) Methyl Acetate	3.64	43	115573	47.968	ug/l	95
19) Methyl tert-butyl Ether	4.24	73	562457	50.687	ug/l	96
20) Methylene Chloride	3.81	84	297550	51.669	ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	295525	50.417	ug/l	95
22) Diisopropyl ether	5.12	45	806739	46.478	ug/l	100
23) Vinyl Acetate	5.05	43	2252615	243.694	ug/l	99
24) 1,1-Dichloroethane	4.98	63	518070	50.712	ug/l	99
25) 2-Butanone	6.07	43	414867	282.933	ug/l	96
26) 2,2-Dichloropropane	6.03	77	419720	49.770	ug/l	97
27) cis-1,2-Dichloroethene	6.04	96	384676	55.612	ug/l	96
28) Bromochloromethane	6.44	49	199605	49.578	ug/l	97
29) Tetrahydrofuran	6.46	42	192620	252.317	ug/l	99
30) Chloroform	6.67	83	610620	50.936	ug/l	99
31) Cyclohexane	6.96	56	360656	49.721	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	506306	48.304	ug/l	99
36) 1,1-Dichloropropene	7.15	75	410386	51.096	ug/l	97
37) Ethyl Acetate	6.18	43	207249	55.888	ug/l	96
38) Carbon Tetrachloride	7.11	117	491931m	47.973	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	418687	52.845	ug/l	97
40) Benzene	7.45	78	1071367	53.072	ug/l	98
41) Methacrylonitrile	6.45	41	225425	51.360	ug/l #	91
42) 1,2-Dichloroethane	7.58	62	372574	50.272	ug/l	97
43) Isopropyl Acetate	9.24	43	286282	52.988	ug/l	99
44) Trichloroethene	8.54	130	408201	54.431	ug/l	97
45) 1,2-Dichloropropane	8.94	63	272851	53.007	ug/l	97
46) Dibromomethane	9.06	93	200767	51.411	ug/l	97
47) Bromodichloromethane	9.37	83	463764	51.826	ug/l	100
48) Methyl methacrylate	9.12	41	150573	48.847	ug/l	99
49) 1,4-Dioxane	9.08	88	34106	1070.767	ug/l	91
51) 4-Methyl-2-Pentanone	10.30	43	859246	248.941	ug/l	99
52) Toluene	10.52	92	659578	50.784	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	423220	53.270	ug/l	97
54) cis-1,3-Dichloropropene	10.04	75	473507	51.302	ug/l	99
55) 1,1,2-Trichloroethane	11.19	97	244892	52.396	ug/l	96
56) Ethyl methacrylate	11.05	69	267689	53.918	ug/l	97
57) 1,3-Dichloropropane	11.41	76	345684	49.639	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	544355	228.524	ug/l	100
59) 2-Hexanone	11.53	43	644820	265.550	ug/l	97
60) Dibromochloromethane	11.69	129	394359	52.415	ug/l	96
61) 1,2-Dibromoethane	11.81	107	277406	49.535	ug/l	97
64) Tetrachloroethene	11.25	164	330431	58.374	ug/l	98
65) Chlorobenzene	12.40	112	757722	50.788	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	339154	55.069	ug/l	95
67) Ethyl Benzene	12.52	91	1162460	51.317	ug/l	100
68) m/p-Xylenes	12.67	106	949563	109.590	ug/l	97
69) o-Xylene	13.05	106	385097	46.700	ug/l	91
70) Styrene	13.08	104	697819	48.902	ug/l	100
71) Bromoform	13.23	173	212729	55.959	ug/l	100
73) Isopropylbenzene	13.40	105	1170491	50.823	ug/l	100
74) N-amyl acetate	13.26	43	350529	55.958	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.71	83	275502	55.496	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	273934	57.120	ug/l	100
77) Bromobenzene	13.68	156	366226	54.009	ug/l	95
78) n-propylbenzene	13.78	91	1410986	51.611	ug/l	98
79) 2-Chlorotoluene	13.84	91	846392	51.804	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	1007970	52.287	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.48	75	84821	59.819	ug/l	93
82) 4-Chlorotoluene	13.95	91	932429	50.650	ug/l	99
83) tert-Butylbenzene	14.19	119	1152698	52.675	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	975807	51.614	ug/l	99
85) sec-Butylbenzene	14.37	105	1150619	48.850	ug/l	99
86) p-Isopropyltoluene	14.49	119	1097511	50.893	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	579908	47.292	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	635845	54.997	ug/l	95
89) n-Butylbenzene	14.80	91	953877	48.610	ug/l	97
90) Hexachloroethane	15.01	117	320367	53.193	ug/l	90
91) 1,2-Dichlorobenzene	14.81	146	520894	49.544	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	36949	55.848	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	277563	52.649	ug/l	96
94) Hexachlorobutadiene	16.04	225	195049	50.823	ug/l	99
95) Naphthalene	16.13	128	495019	58.479	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	155336	52.968	ug/l	95

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

