

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD042419\
 Data File : VD062013.D
 Acq On : 25 Apr 2019 00:13
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 11:04:12 AM

Quant Time: Apr 25 03:46:00 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	7.05	168	564163	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	925348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	724395	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	343670	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	253758	57.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.94%	
35) Dibromofluoromethane	6.92	113	350437	54.76	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	109.52%	
50) Toluene-d8	10.41	98	715862	47.01	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	94.02%	
62) 4-Bromofluorobenzene	13.56	95	292680	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.58	85	228327	45.325	ug/l	100
3) Chloromethane	1.76	50	170277	39.770	ug/l	96
4) Vinyl Chloride	1.85	62	173675	44.754	ug/l	97
5) Bromomethane	2.15	94	52628	51.990	ug/l	98
6) Chloroethane	2.27	64	66195	47.189	ug/l	98
7) Trichlorofluoromethane	2.53	101	306570	52.249	ug/l	99
8) Diethyl Ether	2.88	74	71189	45.269	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.15	101	243863	45.117	ug/l	98
10) Methyl Iodide	3.31	142	369476	45.425	ug/l	96
11) Tert butyl alcohol	4.06	59	69247	277.570	ug/l	99
12) 1,1-Dichloroethene	3.13	96	191904	41.731	ug/l	96
13) Acrolein	3.03	56	65385	252.601	ug/l	91
14) Allyl chloride	3.63	41	275862	43.932	ug/l	94
15) Acrylonitrile	4.20	53	192704	249.451	ug/l	94
16) Acetone	3.22	43	214448	203.407	ug/l	93
17) Carbon Disulfide	3.38	76	584298	43.970	ug/l	99
18) Methyl Acetate	3.65	43	97496	51.036	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	449129	49.225	ug/l	93
20) Methylene Chloride	3.82	84	249675	48.553	ug/l	96
21) trans-1,2-Dichloroethene	4.23	96	221851	42.054	ug/l	97
22) Diisopropyl ether	5.12	45	692974	47.268	ug/l	97
23) Vinyl Acetate	5.06	43	1942311	254.407	ug/l	100
24) 1,1-Dichloroethane	4.99	63	392444	44.289	ug/l	98
25) 2-Butanone	6.07	43	332078	259.794	ug/l	99
26) 2,2-Dichloropropane	6.03	77	343508	44.437	ug/l	99
27) cis-1,2-Dichloroethene	6.05	96	289700	48.273	ug/l	94
28) Bromochloromethane	6.44	49	179632	52.982	ug/l	96
29) Tetrahydrofuran	6.46	42	169216	268.674	ug/l	100
30) Chloroform	6.67	83	532888	52.948	ug/l	100
31) Cyclohexane	6.96	56	322959	49.104	ug/l	97
32) 1,1,1-Trichloroethane	6.87	97	429567	49.055	ug/l	98
36) 1,1-Dichloropropene	7.15	75	343585	47.657	ug/l	99
37) Ethyl Acetate	6.19	43	157696	51.330	ug/l	95
38) Carbon Tetrachloride	7.12	117	445301m	48.744	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	313748	44.109	ug/l	99
40) Benzene	7.45	78	870117	48.751	ug/l	98
41) Methacrylonitrile	6.44	41	195425	54.518	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	319177	52.669	ug/l	97
43) Isopropyl Acetate	9.24	43	231596	51.593	ug/l #	97
44) Trichloroethene	8.54	130	301841	43.622	ug/l	97
45) 1,2-Dichloropropane	8.94	63	207406	45.806	ug/l	100
46) Dibromomethane	9.07	93	162184	49.779	ug/l	93
47) Bromodichloromethane	9.37	83	369705	48.024	ug/l	99
48) Methyl methacrylate	9.12	41	137766	53.790	ug/l	96
49) 1,4-Dioxane	9.08	88	29467	1067.158	ug/l #	93
51) 4-Methyl-2-Pentanone	10.30	43	700041	255.002	ug/l	99
52) Toluene	10.52	92	477244	41.936	ug/l	99
53) t-1,3-Dichloropropene	10.91	75	302502	46.814	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	385455	49.045	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	199644	52.255	ug/l	97
56) Ethyl methacrylate	11.05	69	205357	48.531	ug/l	97
57) 1,3-Dichloropropane	11.41	76	295906	50.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	488444	248.278	ug/l	98
59) 2-Hexanone	11.53	43	531989	258.332	ug/l	99
60) Dibromochloromethane	11.69	129	307208	48.596	ug/l	96
61) 1,2-Dibromoethane	11.81	107	232702	51.344	ug/l	100
64) Tetrachloroethene	11.26	164	259431	50.204	ug/l	98
65) Chlorobenzene	12.41	112	620481	45.329	ug/l	100
66) 1,1,1,2-Tetrachloroethane	12.51	131	280233	48.263	ug/l	96
67) Ethyl Benzene	12.52	91	1033859	46.274	ug/l	99
68) m/p-Xylenes	12.67	106	705640	87.385	ug/l	99
69) o-Xylene	13.05	106	362062	49.004	ug/l	95
70) Styrene	13.08	104	596451	46.753	ug/l	99
71) Bromoform	13.23	173	187512	56.645	ug/l	97
73) Isopropylbenzene	13.40	105	1061422	46.299	ug/l	98
74) N-amyl acetate	13.26	43	313234	53.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	235396	52.398	ug/l	100
76) 1,2,3-Trichloropropane	13.74	75	227836	52.207	ug/l	100
77) Bromobenzene	13.67	156	302271	45.962	ug/l	82
78) n-propylbenzene	13.78	91	1216372	46.349	ug/l	99
79) 2-Chlorotoluene	13.84	91	715111	44.986	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	730217	39.947	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	66931	50.610	ug/l	91
82) 4-Chlorotoluene	13.95	91	704854	40.263	ug/l	99
83) tert-Butylbenzene	14.19	119	895545	42.291	ug/l	97
84) 1,2,4-Trimethylbenzene	14.24	105	799878	45.827	ug/l	99
85) sec-Butylbenzene	14.37	105	1104247	48.261	ug/l	98
86) p-Isopropyltoluene	14.49	119	826238	40.348	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	492676	42.779	ug/l	99
88) 1,4-Dichlorobenzene	14.54	146	462031	42.899	ug/l	95
89) n-Butylbenzene	14.80	91	793020	43.135	ug/l	94
90) Hexachloroethane	15.01	117	246864	44.582	ug/l	93
91) 1,2-Dichlorobenzene	14.81	146	426977	44.945	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	34444	51.794	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	260211	50.765	ug/l	95
94) Hexachlorobutadiene	16.04	225	188270	49.633	ug/l	98
95) Naphthalene	16.13	128	442353	53.449	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	161403	55.498	ug/l	95

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

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