

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD051319\
 Data File : VD062327.D
 Acq On : 14 May 2019 2:58
 Operator : FY/SY
 Sample : K2735-05MS
 Misc : 5.87g/5mL/MSVOA D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 P026-SS015-1824-01MS

Manual Integrations
 APPROVED

MMDadoda
 5/14/2019 9:50:50 AM

Quant Time: May 14 06:55:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D050719S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 14:26:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.07	168	557864	50.00	ug/l	0.05
34) 1,4-Difluorobenzene	8.24	114	824905	50.00	ug/l	0.05
63) Chlorobenzene-d5	12.38	117	650726	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	14.53	152	301908	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	307893	59.39	ug/l	0.05
Spiked Amount	50.000		Recovery	=	118.78%	
35) Dibromofluoromethane	6.94	113	378718	55.33	ug/l	0.05
Spiked Amount	50.000		Recovery	=	110.66%	
50) Toluene-d8	10.43	98	768441	46.57	ug/l	0.03
Spiked Amount	50.000		Recovery	=	93.14%	
62) 4-Bromofluorobenzene	13.57	95	304110	45.89	ug/l	0.02
Spiked Amount	50.000		Recovery	=	91.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	313785	58.811	ug/l	99
3) Chloromethane	1.77	50	219908	57.041	ug/l	99
4) Vinyl Chloride	1.87	62	241794	63.816	ug/l	97
5) Bromomethane	2.16	94	111023	125.054	ug/l	93
6) Chloroethane	2.29	64	127487	80.187	ug/l	97
7) Trichlorofluoromethane	2.55	101	528017	71.681	ug/l	96
8) Diethyl Ether	2.89	74	68869	48.477	ug/l	69
9) 1,1,2-Trichlorotrifluoroet	3.16	101	322674	57.907	ug/l	94
10) Methyl Iodide	3.32	142	454326	53.947	ug/l #	79
11) Tert butyl alcohol	4.08	59	59853	226.176	ug/l	97
12) 1,1-Dichloroethene	3.14	96	254593	59.853	ug/l #	82
13) Acrolein	3.06	56	1349	4.929	ug/l	99
14) Allyl chloride	3.65	41	350174	56.619	ug/l #	79
15) Acrylonitrile	4.22	53	139276	200.233	ug/l #	81
16) Acetone	3.24	43	193213	177.716	ug/l #	81
17) Carbon Disulfide	3.39	76	670596	54.804	ug/l	98
18) Methyl Acetate	3.66	43	251049	129.594	ug/l	91
19) Methyl tert-butyl Ether	4.26	73	534878	58.666	ug/l	92
20) Methylene Chloride	3.83	84	257012	56.617	ug/l	95
21) trans-1,2-Dichloroethene	4.24	96	292300	61.754	ug/l	87
22) Diisopropyl ether	5.14	45	766504	58.240	ug/l	93
23) Vinyl Acetate	5.14	43	568198m	81.827	ug/l	
24) 1,1-Dichloroethane	5.01	63	492549	62.037	ug/l	97
25) 2-Butanone	6.09	43	221367	186.669	ug/l	93
26) 2,2-Dichloropropane	6.05	77	467842	59.155	ug/l	93
27) cis-1,2-Dichloroethene	6.06	96	313546	59.181	ug/l	90
28) Bromochloromethane	6.46	49	161975	51.854	ug/l	85
29) Tetrahydrofuran	6.48	42	125462	229.614	ug/l	97
30) Chloroform	6.69	83	681118	71.183	ug/l	99
31) Cyclohexane	6.98	56	319369	58.714	ug/l	97
32) 1,1,1-Trichloroethane	6.89	97	704968	77.948	ug/l	98
36) 1,1-Dichloropropene	7.17	75	422661	62.492	ug/l	91
37) Ethyl Acetate	6.20	43	61615	21.481	ug/l #	97
38) Carbon Tetrachloride	7.13	117	670809m	71.658	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	337334	52.056	ug/l	99
40) Benzene	7.47	78	866385	56.728	ug/l	96
41) Methacrylonitrile	6.47	41	167732	47.853	ug/l #	84
42) 1,2-Dichloroethane	7.60	62	428407	66.206	ug/l	92
43) Isopropyl Acetate	9.26	43	73591	18.091	ug/l	93
44) Trichloroethene	8.56	130	313241	53.824	ug/l	74
45) 1,2-Dichloropropane	8.96	63	211784	56.062	ug/l	98
46) Dibromomethane	9.08	93	174351	56.755	ug/l	98
47) Bromodichloromethane	9.39	83	474017	63.083	ug/l	98
48) Methyl methacrylate	9.14	41	138874	55.425	ug/l #	82
49) 1,4-Dioxane	9.10	88	23069	853.313	ug/l #	92
51) 4-Methyl-2-Pentanone	10.32	43	582024	222.583	ug/l	89
52) Toluene	10.53	92	572449	57.608	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	349207	53.771	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	378928	53.484	ug/l #	82
55) 1,1,2-Trichloroethane	11.20	97	182876	52.013	ug/l	98
56) Ethyl methacrylate	11.06	69	82875	22.683	ug/l #	87
57) 1,3-Dichloropropane	11.42	76	299896	56.459	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.88	63	366767	183.777	ug/l	99
59) 2-Hexanone	11.55	43	357538	185.517	ug/l	88
60) Dibromochloromethane	11.70	129	353119	58.114	ug/l	94
61) 1,2-Dibromoethane	11.82	107	224404	52.498	ug/l	97
64) Tetrachloroethene	11.27	164	285536	56.115	ug/l	95
65) Chlorobenzene	12.41	112	674663	55.665	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.52	131	346388	65.669	ug/l	95
67) Ethyl Benzene	12.53	91	1245797	61.398	ug/l	94
68) m/p-Xylenes	12.68	106	821041	111.219	ug/l	88
69) o-Xylene	13.06	106	388628	56.625	ug/l	89
70) Styrene	13.08	104	475256	40.878	ug/l	95
71) Bromoform	13.24	173	205142	55.899	ug/l #	99
73) Isopropylbenzene	13.41	105	1145972	63.323	ug/l	94
74) N-amyl acetate	13.27	43	86394	18.208	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	189345	55.266	ug/l	98
76) 1,2,3-Trichloropropane	13.74	75	187229	52.183	ug/l	99
77) Bromobenzene	13.67	156	315404	62.258	ug/l	82
78) n-propylbenzene	13.78	91	1349504	62.512	ug/l	95
79) 2-Chlorotoluene	13.85	91	800367	64.734	ug/l	91
80) 1,3,5-Trimethylbenzene	13.94	105	970094	63.657	ug/l	91
81) trans-1,4-Dichloro-2-buten	13.48	75	46602	46.009	ug/l #	67
82) 4-Chlorotoluene	13.96	91	887082	60.971	ug/l	91
83) tert-Butylbenzene	14.20	119	1098588	64.136	ug/l	88
84) 1,2,4-Trimethylbenzene	14.24	105	930487	60.845	ug/l	90
85) sec-Butylbenzene	14.37	105	1054122	56.129	ug/l	96
86) p-Isopropyltoluene	14.50	119	840698	50.104	ug/l	93
87) 1,3-Dichlorobenzene	14.46	146	456781	49.358	ug/l	99
88) 1,4-Dichlorobenzene	14.55	146	479205	52.699	ug/l	96
89) n-Butylbenzene	14.81	91	784870	52.114	ug/l	94
90) Hexachloroethane	15.01	117	289285	63.398	ug/l	99
91) 1,2-Dichlorobenzene	14.82	146	434845	57.054	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.39	75	35031	62.289	ug/l	71

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	242262	43.670	ug/l	95
94) Hexachlorobutadiene	16.05	225	153740	37.261	ug/l	98
95) Naphthalene	16.13	128	364314	47.039	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	173307	49.687	ug/l	96

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

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