

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009239.D
 Acq On : 22 Jan 2019 17:09
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:44:36 AM

Quant Time: Jan 23 01:56:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 01:50:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	84734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	147628	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	132810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	64109	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.07	65	56701	54.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.74%	
35) Dibromofluoromethane	4.64	113	49010	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	7.36	98	191017	51.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.18%	
62) 4-Bromofluorobenzene	10.12	95	69893	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	1218	1.777	ug/l	95
3) Chloromethane	1.25	50	2749	2.980	ug/l	93
4) Vinyl Chloride	1.32	62	2311	2.205	ug/l #	86
5) Bromomethane	1.53	94	1716	2.887	ug/l	94
6) Chloroethane	1.60	64	1450	2.475	ug/l #	86
7) Trichlorofluoromethane	1.76	101	1496	2.034	ug/l	96
8) Diethyl Ether	1.96	74	1177	2.544	ug/l	57
9) 1,1,2-Trichlorotrifluoroet	2.14	101	2079	2.274	ug/l	97
10) Methyl Iodide	2.25	142	3478	2.384	ug/l	99
11) Tert butyl alcohol	2.65	59	2318	30.686	ug/l #	72
12) 1,1-Dichloroethene	2.13	96	2209	2.461	ug/l	99
13) Acrolein	2.06	56	846	14.256	ug/l	99
14) Allyl chloride	2.42	41	3764	2.433	ug/l	98
15) Acrylonitrile	2.76	53	2562	12.783	ug/l	95
16) Acetone	2.18	43	4765	16.996	ug/l	93
17) Carbon Disulfide	2.31	76	6594	2.402	ug/l #	94
18) Methyl Acetate	2.44	43	2674	3.571	ug/l #	86
19) Methyl tert-butyl Ether	2.80	73	3663	2.629	ug/l #	88
20) Methylene Chloride	2.52	84	6402	6.130	ug/l	92
21) trans-1,2-Dichloroethene	2.78	96	2294	2.372	ug/l	96
22) Diisopropyl ether	3.33	45	7670	2.329	ug/l	96
23) Vinyl Acetate	3.30	43	20542	11.494	ug/l	100
24) 1,1-Dichloroethane	3.22	63	5073	2.476	ug/l	97
25) 2-Butanone	4.02	43	4029	12.567	ug/l	96
26) 2,2-Dichloropropane	3.95	77	2287	1.983	ug/l	94
27) cis-1,2-Dichloroethene	3.96	96	2858	2.446	ug/l	93
28) Bromochloromethane	4.29	49	1757	2.323	ug/l #	91
29) Tetrahydrofuran	4.39	42	2421	13.884	ug/l #	70
30) Chloroform	4.42	83	4739	2.303	ug/l	97
31) Cyclohexane	4.72	56	5911	3.160	ug/l #	64
32) 1,1,1-Trichloroethane	4.65	97	3893	2.244	ug/l	98
36) 1,1-Dichloropropene	4.88	75	3969	2.422	ug/l	92
37) Ethyl Acetate	4.13	43	1623m	2.577	ug/l	
38) Carbon Tetrachloride	4.87	117	3551	2.164	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	6.17	83	4395	2.264	ug/l	92
40) Benzene	5.14	78	10597	2.312	ug/l	98
41) Methacrylonitrile	4.31	41	769	2.026	ug/l #	90
42) 1,2-Dichloroethane	5.18	62	3102	2.162	ug/l	91
43) Isopropyl Acetate	5.33	43	3057	2.467	ug/l #	90
44) Trichloroethene	5.96	130	2714	2.250	ug/l	94
45) 1,2-Dichloropropane	6.22	63	2543	2.306	ug/l #	87
46) Dibromomethane	6.35	93	1444	2.552	ug/l	96
47) Bromodichloromethane	6.55	83	3219	2.153	ug/l	99
48) Methyl methacrylate	6.42	41	1457	2.304	ug/l	96
49) 1,4-Dioxane	6.42	88	290	40.236	ug/l #	76
51) 4-Methyl-2-Pentanone	7.27	43	7671	12.199	ug/l	100
52) Toluene	7.43	92	6793	2.342	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	3046	2.093	ug/l	97
54) cis-1,3-Dichloropropene	7.07	75	3657	2.182	ug/l #	85
55) 1,1,2-Trichloroethane	7.88	97	1909	2.395	ug/l #	86
56) Ethyl methacrylate	7.84	69	1963	2.113	ug/l	98
57) 1,3-Dichloropropane	8.06	76	3388	2.347	ug/l	95
59) 2-Hexanone	8.19	43	5340	11.741	ug/l	95
60) Dibromochloromethane	8.29	129	1911	2.047	ug/l	99
61) 1,2-Dibromoethane	8.40	107	1579	2.025	ug/l	93
64) Tetrachloroethene	8.02	164	2215	2.344	ug/l	97
65) Chlorobenzene	8.93	112	7869	2.547	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.02	131	2290	2.169	ug/l	94
67) Ethyl Benzene	9.05	91	12764	2.319	ug/l	95
68) m/p-Xylenes	9.18	106	9252	4.427	ug/l	95
69) o-Xylene	9.59	106	4103	2.118	ug/l	92
70) Styrene	9.60	104	6439	2.082	ug/l	96
71) Bromoform	9.78	173	977	1.962	ug/l #	88
73) Isopropylbenzene	9.97	105	12024	2.271	ug/l	99
74) N-amyl acetate	9.84	43	2317	2.367	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	10.28	83	2204	2.470	ug/l	97
76) 1,2,3-Trichloropropane	10.32	75	1988m	2.832	ug/l	
77) Bromobenzene	10.26	156	2833	2.502	ug/l	95
78) n-propylbenzene	10.40	91	15136	2.412	ug/l	98
79) 2-Chlorotoluene	10.47	91	8801	2.324	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	10104	2.276	ug/l	94
81) trans-1,4-Dichloro-2-buten	10.05	75	402m	1.621	ug/l	
82) 4-Chlorotoluene	10.59	91	10769	2.415	ug/l	98
83) tert-Butylbenzene	10.91	119	9618	2.275	ug/l	97
84) 1,2,4-Trimethylbenzene	10.96	105	10122	2.260	ug/l	99
85) sec-Butylbenzene	11.13	105	13129	2.371	ug/l	96
86) p-Isopropyltoluene	11.29	119	11361	2.343	ug/l	99
87) 1,3-Dichlorobenzene	11.23	146	5788	2.462	ug/l	98
88) 1,4-Dichlorobenzene	11.32	146	6341	2.668	ug/l	90
89) n-Butylbenzene	11.70	91	11705	2.487	ug/l	96
90) Hexachloroethane	11.95	117	1951	2.263	ug/l	96
91) 1,2-Dichlorobenzene	11.69	146	5204	2.507	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.48	75	353	2.356	ug/l	73
93) 1,2,4-Trichlorobenzene	13.31	180	3668	2.745	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.50	225	2180	2.633	ug/l	97
95) Naphthalene	13.56	128	6106	2.643	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.79	180	3302	2.919	ug/l	97

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

