

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW050919\
 Data File : VW010339.D
 Acq On : 09 May 2019 16:24
 Operator : SY/VA
 Sample : K2241-01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 5/10/2019 10:07:42 AM

Quant Time: May 10 03:44:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W050919S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 03:38:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	1265785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	2058278	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1821926	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	898066	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	749207	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	7.88	113	637516	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
50) Toluene-d8	10.32	98	2611827	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
62) 4-Bromofluorobenzene	12.62	95	899204	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	54809	5.343	ug/l	100
3) Chloromethane	2.21	50	62012	4.786	ug/l	97
4) Vinyl Chloride	2.36	62	74158	4.605	ug/l	98
5) Bromomethane	2.78	94	44232	4.763	ug/l	95
6) Chloroethane	2.92	64	39272	4.217	ug/l	95
7) Trichlorofluoromethane	3.25	101	34290	4.254	ug/l	95
8) Diethyl Ether	3.67	74	30615	4.320	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53406	4.043	ug/l	97
10) Methyl Iodide	4.26	142	80521	4.305	ug/l	94
11) Tert butyl alcohol	5.17	59	21285	22.397	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	60582	4.389	ug/l	92
13) Acrolein	3.89	56	27973	22.294	ug/l #	75
14) Allyl chloride	4.66	41	85796	4.164	ug/l	91
15) Acrylonitrile	5.37	53	83812	21.337	ug/l	97
16) Acetone	4.11	43	105107	29.961	ug/l	97
17) Carbon Disulfide	4.37	76	177739	4.258	ug/l	97
18) Methyl Acetate	4.67	43	38414	4.421	ug/l	92
19) Methyl tert-butyl Ether	5.42	73	67625	4.116	ug/l	97
20) Methylene Chloride	4.92	84	76086	5.200	ug/l	90
21) trans-1,2-Dichloroethene	5.41	96	62467	4.204	ug/l	89
22) Diisopropyl ether	6.31	45	159409	3.987	ug/l	99
23) Vinyl Acetate	6.25	43	516198	18.801	ug/l #	95
24) 1,1-Dichloroethane	6.21	63	115565	4.293	ug/l	98
25) 2-Butanone	7.17	43	108283	20.177	ug/l	99
26) 2,2-Dichloropropane	7.16	77	57460	4.290	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	62640	4.100	ug/l	97
28) Bromochloromethane	7.51	49	37681	3.796	ug/l	99
29) Tetrahydrofuran	7.53	42	68461	19.722	ug/l	98
30) Chloroform	7.67	83	108861	4.321	ug/l	99
31) Cyclohexane	7.95	56	132388	4.803	ug/l #	76
32) 1,1,1-Trichloroethane	7.87	97	84866	4.349	ug/l	99
36) 1,1-Dichloropropene	8.07	75	91194	4.086	ug/l	98
37) Ethyl Acetate	7.25	43	50468	4.247	ug/l	98
38) Carbon Tetrachloride	8.06	117	79995	4.181	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106815	3.912	ug/l	95
40) Benzene	8.32	78	253744	4.152	ug/l	99
41) Methacrylonitrile	7.48	41	24879	3.733	ug/l	93
42) 1,2-Dichloroethane	8.40	62	75078	4.291	ug/l	98
43) Isopropyl Acetate	8.42	43	78060	3.961	ug/l	99
44) Trichloroethene	9.09	130	63918	4.177	ug/l	98
45) 1,2-Dichloropropane	9.37	63	63597	4.186	ug/l	92
46) Dibromomethane	9.46	93	33485	4.266	ug/l	98
47) Bromodichloromethane	9.64	83	77177	4.099	ug/l	96
48) Methyl methacrylate	9.44	41	33667	3.613	ug/l	89
49) 1,4-Dioxane	9.45	88	11343	82.873	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	219915	19.461	ug/l	97
52) Toluene	10.39	92	159118	4.259	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	72352	3.794	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	86667	3.837	ug/l #	89
55) 1,1,2-Trichloroethane	10.79	97	46952	4.212	ug/l	99
56) Ethyl methacrylate	10.65	69	50825	3.453	ug/l #	88
57) 1,3-Dichloropropane	10.93	76	81723	4.101	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	117762	16.708	ug/l	100
59) 2-Hexanone	10.97	43	147756	18.494	ug/l	99
60) Dibromochloromethane	11.13	129	47612	3.969	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43739	4.087	ug/l	100
64) Tetrachloroethene	10.87	164	52934	4.157	ug/l	97
65) Chlorobenzene	11.66	112	160136	4.246	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.73	131	51591	4.047	ug/l	98
67) Ethyl Benzene	11.73	91	274643	3.958	ug/l	100
68) m/p-Xylenes	11.84	106	197542	7.663	ug/l	100
69) o-Xylene	12.16	106	85713	3.676	ug/l	100
70) Styrene	12.18	104	147383	3.627	ug/l	98
71) Bromoform	12.35	173	27496	3.773	ug/l #	95
73) Isopropylbenzene	12.46	105	240633	3.676	ug/l	99
74) N-amyl acetate	12.27	43	58924	3.484	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	60064	4.164	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	53015m	5.063	ug/l	
77) Bromobenzene	12.75	156	59624	4.034	ug/l	94
78) n-propylbenzene	12.80	91	316446	3.914	ug/l	99
79) 2-Chlorotoluene	12.90	91	183508	3.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	207178	3.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16522	3.563	ug/l	98
82) 4-Chlorotoluene	12.99	91	194247	4.027	ug/l	98
83) tert-Butylbenzene	13.21	119	167101	3.630	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	207913	3.791	ug/l	98
85) sec-Butylbenzene	13.38	105	248079	3.651	ug/l	98
86) p-Isopropyltoluene	13.50	119	212701	3.525	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	131930	4.470	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	126117	4.306	ug/l	93
89) n-Butylbenzene	13.83	91	225828	3.733	ug/l	99
90) Hexachloroethane	14.10	117	42909	3.835	ug/l	92
91) 1,2-Dichlorobenzene	13.87	146	110721	4.238	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	11168	4.300	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	76962	4.316	ug/l	98
94) Hexachlorobutadiene	15.24	225	44546	3.897	ug/l	98
95) Naphthalene	15.37	128	127535	3.491	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	58954	3.660	ug/l	100

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

