

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW041719\
 Data File : VW010020.D
 Acq On : 17 Apr 2019 17:07
 Operator : SY/VA
 Sample : K2241-02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT2-2019

Manual Integrations
 APPROVED

MMDadoda
 4/18/2019 11:40:38 AM

Quant Time: Apr 18 02:53:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	370541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	607382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	547353	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	279230	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	231349	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.88	113	181812	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	
50) Toluene-d8	10.32	98	719602	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.62	95	255963	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	25713	9.101	ug/l 90
3) Chloromethane	2.21	50	25056	8.868	ug/l 97
4) Vinyl Chloride	2.36	62	30229	9.204	ug/l 89
5) Bromomethane	2.78	94	20768	9.410	ug/l 98
6) Chloroethane	2.93	64	19875	9.262	ug/l 100
7) Trichlorofluoromethane	3.26	101	18802	8.280	ug/l 94
8) Diethyl Ether	3.67	74	17449	9.238	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	4.05	101	36827	9.638	ug/l 99
10) Methyl Iodide	4.27	142	47170	8.933	ug/l 99
11) Tert butyl alcohol	5.20	59	13033	50.038	ug/l # 71
12) 1,1-Dichloroethene	4.04	96	34461	9.408	ug/l 94
13) Acrolein	3.89	56	12567	45.862	ug/l 96
14) Allyl chloride	4.66	41	56312	8.647	ug/l 97
15) Acrylonitrile	5.36	53	45484	46.792	ug/l 97
16) Acetone	4.12	43	53387	50.320	ug/l 100
17) Carbon Disulfide	4.38	76	87724	9.076	ug/l 98
18) Methyl Acetate	4.67	43	22747	9.264	ug/l 98
19) Methyl tert-butyl Ether	5.42	73	46443	9.761	ug/l 95
20) Methylene Chloride	4.92	84	53212	9.404	ug/l 99
21) trans-1,2-Dichloroethene	5.42	96	35694	8.998	ug/l 90
22) Diisopropyl ether	6.31	45	121073	9.165	ug/l 98
23) Vinyl Acetate	6.25	43	382568	46.004	ug/l 98
24) 1,1-Dichloroethane	6.21	63	74017	9.373	ug/l 97
25) 2-Butanone	7.17	43	68959	49.480	ug/l 95
26) 2,2-Dichloropropane	7.17	77	41325	9.459	ug/l 98
27) cis-1,2-Dichloroethene	7.17	96	38993	8.938	ug/l 99
28) Bromochloromethane	7.51	49	31964	9.904	ug/l 94
29) Tetrahydrofuran	7.53	42	42054	47.622	ug/l 97
30) Chloroform	7.67	83	72775	9.197	ug/l 98
31) Cyclohexane	7.95	56	71503	9.669	ug/l # 94
32) 1,1,1-Trichloroethane	7.87	97	57019	9.179	ug/l 98
36) 1,1-Dichloropropene	8.08	75	56312	9.076	ug/l 100
37) Ethyl Acetate	7.26	43	31082	9.859	ug/l 96
38) Carbon Tetrachloride	8.06	117	54823	9.054	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	60016	8.956	ug/l	92
40) Benzene	8.32	78	154095	9.084	ug/l	99
41) Methacrylonitrile	7.48	41	17027	9.476	ug/l	93
42) 1,2-Dichloroethane	8.40	62	53820	9.232	ug/l	99
43) Isopropyl Acetate	8.42	43	57287	9.697	ug/l	98
44) Trichloroethene	9.09	130	38448	8.923	ug/l	92
45) 1,2-Dichloropropane	9.37	63	40702	9.128	ug/l	98
46) Dibromomethane	9.46	93	21777	9.423	ug/l	98
47) Bromodichloromethane	9.65	83	52830	8.855	ug/l	98
48) Methyl methacrylate	9.44	41	25188	8.759	ug/l	94
49) 1,4-Dioxane	9.45	88	6344	179.649	ug/l #	90
51) 4-Methyl-2-Pentanone	10.21	43	148333	47.938	ug/l	100
52) Toluene	10.38	92	97096	9.188	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53176	8.990	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	58547	8.668	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	29083	9.016	ug/l	95
56) Ethyl methacrylate	10.65	69	34717	9.983	ug/l	99
57) 1,3-Dichloropropane	10.93	76	52604	9.098	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	104171	54.045	ug/l	98
59) 2-Hexanone	10.97	43	103690	48.140	ug/l	98
60) Dibromochloromethane	11.13	129	32638	8.754	ug/l	100
61) 1,2-Dibromoethane	11.24	107	28314	9.227	ug/l	99
64) Tetrachloroethene	10.87	164	31528	8.873	ug/l	94
65) Chlorobenzene	11.66	112	104874	9.361	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36473	9.104	ug/l	96
67) Ethyl Benzene	11.73	91	176636	8.837	ug/l	99
68) m/p-Xylenes	11.84	106	133282	17.839	ug/l	100
69) o-Xylene	12.16	106	61700	9.069	ug/l	97
70) Styrene	12.18	104	98705	8.415	ug/l	98
71) Bromoform	12.35	173	19676	9.288	ug/l #	97
73) Isopropylbenzene	12.46	105	171173	8.808	ug/l	99
74) N-amyl acetate	12.27	43	47875	8.896	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	37831	9.853	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	31415m	11.241	ug/l	
77) Bromobenzene	12.74	156	41542	9.295	ug/l	100
78) n-propylbenzene	12.80	91	219802	9.126	ug/l	100
79) 2-Chlorotoluene	12.89	91	127624	9.213	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	144571	8.774	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10231	8.632	ug/l	94
82) 4-Chlorotoluene	12.99	91	133694	9.170	ug/l	100
83) tert-Butylbenzene	13.21	119	122212	8.956	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	148524	8.890	ug/l	99
85) sec-Butylbenzene	13.38	105	185358	9.090	ug/l	100
86) p-Isopropyltoluene	13.50	119	158176	8.801	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	86223	9.543	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	85431	9.473	ug/l	95
89) n-Butylbenzene	13.83	91	154997	8.705	ug/l	99
90) Hexachloroethane	14.10	117	30725	8.925	ug/l	93
91) 1,2-Dichlorobenzene	13.87	146	75401	9.308	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7027	10.227	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	47968	8.975	ug/l	98
94) Hexachlorobutadiene	15.24	225	29661	9.139	ug/l	98
95) Naphthalene	15.37	128	84197	10.156	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	43094	9.294	ug/l	100

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

