

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013490.D
 Acq On : 08 Oct 2019 16:45
 Operator : SY/VA
 Sample : K5111-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:10:06 PM

Quant Time: Oct 09 05:56:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 05:37:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	343213	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	495753	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	432455	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	218988	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	132116	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	7.88	113	135893	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	10.32	98	563976	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.62	95	191635	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	6488	5.707	ug/l	98
3) Chloromethane	2.20	50	12575	6.293	ug/l	90
4) Vinyl Chloride	2.36	62	16017	5.434	ug/l	98
5) Bromomethane	2.77	94	10183	5.790	ug/l	100
6) Chloroethane	2.92	64	9043	5.463	ug/l #	86
7) Trichlorofluoromethane	3.25	101	6870	4.926	ug/l	98
8) Diethyl Ether	3.68	74	8394	5.815	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	15455	5.377	ug/l	98
10) Methyl Iodide	4.27	142	25136	5.523	ug/l	99
11) Tert butyl alcohol	5.18	59	5754m	25.645	ug/l	
12) 1,1-Dichloroethene	4.04	96	15999	5.371	ug/l	96
13) Acrolein	3.89	56	1479	6.842	ug/l	86
14) Allyl chloride	4.67	41	23464	5.126	ug/l	98
15) Acrylonitrile	5.36	53	16826	24.940	ug/l	99
16) Acetone	4.14	43	15120	24.503	ug/l	99
17) Carbon Disulfide	4.38	76	44594	5.333	ug/l	99
18) Methyl Acetate	4.68	43	10599	5.996	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	24478	5.434	ug/l	99
20) Methylene Chloride	4.92	84	25709	7.568	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	16800	5.308	ug/l #	82
22) Diisopropyl ether	6.31	45	47911	5.586	ug/l	97
23) Vinyl Acetate	6.26	43	123220	23.930	ug/l	98
24) 1,1-Dichloroethane	6.22	63	29368	5.602	ug/l	98
25) 2-Butanone	7.17	43	23925	26.309	ug/l	94
26) 2,2-Dichloropropane	7.16	77	20756	6.142	ug/l	92
27) cis-1,2-Dichloroethene	7.17	96	18657	5.570	ug/l	92
28) Bromochloromethane	7.51	49	10043	5.372	ug/l #	100
29) Tetrahydrofuran	7.54	42	13882	24.976	ug/l	96
30) Chloroform	7.68	83	29453	5.808	ug/l	96
31) Cyclohexane	7.95	56	32960	5.940	ug/l #	79
32) 1,1,1-Trichloroethane	7.88	97	23112	5.607	ug/l	94
36) 1,1-Dichloropropene	8.08	75	23319	5.200	ug/l	97
37) Ethyl Acetate	7.25	43	11218	5.513	ug/l	99
38) Carbon Tetrachloride	8.07	117	21431	5.391	ug/l	96

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

39) Methylcyclohexane	9.33	83	31188	5.368	ug/l	94
40) Benzene	8.32	78	68560	5.477	ug/l	100
41) Methacrylonitrile	7.49	41	5944	5.137	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	17324	5.475	ug/l	96
43) Isopropyl Acetate	8.43	43	19576	5.325	ug/l	98
44) Trichloroethene	9.09	130	19300	5.404	ug/l	97
45) 1,2-Dichloropropane	9.37	63	16219	5.398	ug/l	91
46) Dibromomethane	9.46	93	8109	5.417	ug/l	98
47) Bromodichloromethane	9.65	83	20222	5.434	ug/l	98
48) Methyl methacrylate	9.43	41	8677	4.792	ug/l	97
49) 1,4-Dioxane	9.47	88	2644	100.593	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	50124	25.935	ug/l	99
52) Toluene	10.38	92	43256	5.364	ug/l	96
53) t-1,3-Dichloropropene	10.60	75	19743	5.106	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	25293	5.399	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	12434	5.534	ug/l	98
56) Ethyl methacrylate	10.65	69	14033	4.637	ug/l	94
57) 1,3-Dichloropropane	10.93	76	20896	5.416	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	33226	23.273	ug/l	98
59) 2-Hexanone	10.97	43	29920	22.576	ug/l	95
60) Dibromochloromethane	11.13	129	13816	5.347	ug/l	99
61) 1,2-Dibromoethane	11.24	107	11636	5.445	ug/l	94
64) Tetrachloroethene	10.87	164	17387	5.463	ug/l	93
65) Chlorobenzene	11.66	112	48451	5.638	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	15516	5.198	ug/l	99
67) Ethyl Benzene	11.73	91	84761	5.397	ug/l	99
68) m/p-Xylenes	11.84	106	63167	10.570	ug/l	98
69) o-Xylene	12.16	106	29212	5.291	ug/l	99
70) Styrene	12.18	104	49717	5.245	ug/l	99
71) Bromoform	12.35	173	8144	4.973	ug/l #	97
73) Isopropylbenzene	12.46	105	81027	5.165	ug/l	100
74) N-amyl acetate	12.27	43	16132	4.702	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	14088	5.269	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	8552m	4.689	ug/l	
77) Bromobenzene	12.74	156	20017	5.384	ug/l	100
78) n-propylbenzene	12.80	91	93201	5.138	ug/l	98
79) 2-Chlorotoluene	12.89	91	53864	5.300	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	68445	5.251	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	3932	4.407	ug/l	96
82) 4-Chlorotoluene	12.99	91	55719	5.283	ug/l	99
83) tert-Butylbenzene	13.21	119	60908	5.262	ug/l	97
84) 1,2,4-Trimethylbenzene	13.25	105	67605	5.245	ug/l	98
85) sec-Butylbenzene	13.38	105	83648	5.230	ug/l	99
86) p-Isopropyltoluene	13.50	119	76784	5.225	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	39720	5.634	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	38399	5.560	ug/l	95
89) n-Butylbenzene	13.82	91	68159	5.135	ug/l	99
90) Hexachloroethane	14.09	117	12894	5.128	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	32594	5.236	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2194	5.147	ug/l	85

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	22717	5.164	ug/l	99
94) Hexachlorobutadiene	15.24	225	15897	5.438	ug/l	96
95) Naphthalene	15.36	128	33963	4.463	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	19643	5.106	ug/l	98

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

