

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042120\
 Data File : VW015252.D
 Acq On : 21 Apr 2020 10:55
 Operator : SY/VA
 Sample : VW0421SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0421SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/22/2020 11:42:22 AM

Quant Time: Apr 22 06:26:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	219268	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	313051	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287685	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	155019	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	91710	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	
35) Dibromofluoromethane	7.88	113	92211	53.18	ug/l	0.00
Spiked Amount			Recovery	=	106.36%	
50) Toluene-d8	10.32	98	369480	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	12.62	95	134950	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	34508	19.929	ug/l	98
3) Chloromethane	2.21	50	38573	20.456	ug/l	100
4) Vinyl Chloride	2.36	62	45248	20.321	ug/l	100
5) Bromomethane	2.76	94	35664	22.527	ug/l	99
6) Chloroethane	2.91	64	26508	19.192	ug/l	97
7) Trichlorofluoromethane	3.26	101	64333	20.418	ug/l	95
8) Diethyl Ether	3.69	74	17849	20.182	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.06	101	40412	20.798	ug/l	92
10) Methyl Iodide	4.27	142	35757	17.521	ug/l	98
11) Tert butyl alcohol	5.17	59	12592	86.150	ug/l #	85
12) 1,1-Dichloroethene	4.04	96	37461	20.030	ug/l	94
13) Acrolein	3.90	56	10159	132.795	ug/l	98
14) Allyl chloride	4.67	41	48445	19.526	ug/l #	85
15) Acrylonitrile	5.37	53	31368	93.201	ug/l	99
16) Acetone	4.13	43	26290	83.946	ug/l	98
17) Carbon Disulfide	4.38	76	110357	19.856	ug/l	99
18) Methyl Acetate	4.68	43	15193	18.327	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	85954	20.021	ug/l	96
20) Methylene Chloride	4.92	84	40185	19.578	ug/l	93
21) trans-1,2-Dichloroethene	5.43	96	44105	20.794	ug/l	94
22) Diisopropyl ether	6.31	45	94814	19.920	ug/l	92
23) Vinyl Acetate	6.26	43	275669	98.696	ug/l	97
24) 1,1-Dichloroethane	6.22	63	66827	20.259	ug/l	98
25) 2-Butanone	7.17	43	37932	91.291	ug/l	91
26) 2,2-Dichloropropane	7.17	77	69699	20.084	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	47620	20.796	ug/l	97
28) Bromochloromethane	7.51	49	24549	20.469	ug/l #	73
29) Tetrahydrofuran	7.52	42	24247	93.666	ug/l	90
30) Chloroform	7.68	83	73096	20.531	ug/l	100
31) Cyclohexane	7.95	56	66086	19.930	ug/l #	86
32) 1,1,1-Trichloroethane	7.87	97	70763	20.594	ug/l	99
36) 1,1-Dichloropropene	8.09	75	58286	20.629	ug/l	97
37) Ethyl Acetate	7.26	43	17191	18.747	ug/l #	96
38) Carbon Tetrachloride	8.07	117	64509	20.892	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74487	19.807	ug/l	95
40) Benzene	8.32	78	155877	20.653	ug/l	99
41) Methacrylonitrile	7.48	41	9932	18.052	ug/l #	87
42) 1,2-Dichloroethane	8.40	62	44687	20.112	ug/l	100
43) Isopropyl Acetate	8.42	43	37079	19.279	ug/l	95
44) Trichloroethene	9.09	130	48483	21.001	ug/l	92
45) 1,2-Dichloropropane	9.37	63	36142	20.591	ug/l	100
46) Dibromomethane	9.46	93	20277	19.971	ug/l #	86
47) Bromodichloromethane	9.64	83	55895	20.594	ug/l	99
48) Methyl methacrylate	9.43	41	16186	17.803	ug/l #	79
49) 1,4-Dioxane	9.46	88	4518	333.794	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	82959	91.889	ug/l	97
52) Toluene	10.38	92	105534	19.979	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	52737	19.705	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	63727	20.486	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	28617	20.129	ug/l	97
56) Ethyl methacrylate	10.65	69	34233	18.691	ug/l	93
57) 1,3-Dichloropropane	10.93	76	48271	20.497	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	84816	99.887	ug/l #	89
59) 2-Hexanone	10.97	43	58346	90.534	ug/l	98
60) Dibromochloromethane	11.13	129	38568	20.546	ug/l	99
61) 1,2-Dibromoethane	11.23	107	27768	20.016	ug/l	99
64) Tetrachloroethene	10.86	164	43489	21.181	ug/l	88
65) Chlorobenzene	11.65	112	114984	20.369	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	42551	20.972	ug/l	97
67) Ethyl Benzene	11.73	91	210013	19.949	ug/l	99
68) m/p-Xylenes	11.83	106	166955	40.459	ug/l	99
69) o-Xylene	12.16	106	77279	20.064	ug/l	100
70) Styrene	12.18	104	129644	19.746	ug/l	100
71) Bromoform	12.35	173	21978	19.224	ug/l #	100
73) Isopropylbenzene	12.46	105	213574	19.871	ug/l	99
74) N-amyl acetate	12.27	43	34622	18.516	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	29059	19.042	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	22713m	18.940	ug/l	
77) Bromobenzene	12.74	156	50225	20.339	ug/l	83
78) n-propylbenzene	12.80	91	249753	19.957	ug/l	96
79) 2-Chlorotoluene	12.89	91	142250	20.170	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	185895	20.078	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	10305	18.784	ug/l	94
82) 4-Chlorotoluene	12.99	91	148319	19.808	ug/l	96
83) tert-Butylbenzene	13.20	119	164808	20.366	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	185561	20.320	ug/l	100
85) sec-Butylbenzene	13.38	105	223431	19.992	ug/l	97
86) p-Isopropyltoluene	13.49	119	209525	20.177	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	100616	20.507	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	98336	20.446	ug/l	98
89) n-Butylbenzene	13.82	91	187679	19.773	ug/l	98
90) Hexachloroethane	14.09	117	39050	20.505	ug/l	77
91) 1,2-Dichlorobenzene	13.87	146	86829	20.365	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	4759	17.233	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	60584	20.443	ug/l	98
94) Hexachlorobutadiene	15.23	225	39617	20.051	ug/l	97
95) Naphthalene	15.36	128	90116	18.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	47942	19.883	ug/l	97

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

