

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014744.D
 Acq On : 24 Jan 2020 15:14
 Operator : SY/VA
 Sample : VW0124SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:06:29 PM

Quant Time: Jan 25 06:17:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012420S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 24 13:12:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	670544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1034705	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	881996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	422411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	344208	53.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.60%	
35) Dibromofluoromethane	7.88	113	310685	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
50) Toluene-d8	10.32	98	1319685	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
62) 4-Bromofluorobenzene	12.62	95	437875	52.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	118858	28.628	ug/l	95
3) Chloromethane	2.21	50	154555	26.152	ug/l	99
4) Vinyl Chloride	2.36	62	189277	21.085	ug/l	99
5) Bromomethane	2.77	94	111042	22.203	ug/l	95
6) Chloroethane	2.92	64	104562	21.020	ug/l	97
7) Trichlorofluoromethane	3.25	101	110494	25.639	ug/l	98
8) Diethyl Ether	3.67	74	71198	20.958	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	148354	21.765	ug/l	99
10) Methyl Iodide	4.27	142	193283	20.490	ug/l	99
11) Tert butyl alcohol	5.15	59	51214	110.361	ug/l	98
12) 1,1-Dichloroethene	4.04	96	147408	21.316	ug/l	96
13) Acrolein	3.89	56	53795	104.043	ug/l	97
14) Allyl chloride	4.66	41	248979	21.921	ug/l	99
15) Acrylonitrile	5.35	53	173045	107.325	ug/l	100
16) Acetone	4.11	43	172447	106.246	ug/l	97
17) Carbon Disulfide	4.37	76	470054	21.319	ug/l	98
18) Methyl Acetate	4.66	43	78917	21.719	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	190422	22.001	ug/l	99
20) Methylene Chloride	4.91	84	164437	21.138	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	160868	21.938	ug/l	98
22) Diisopropyl ether	6.31	45	463350	22.213	ug/l	98
23) Vinyl Acetate	6.24	43	1359779	109.956	ug/l	100
24) 1,1-Dichloroethane	6.21	63	283664	21.656	ug/l	98
25) 2-Butanone	7.16	43	225863	105.727	ug/l	99
26) 2,2-Dichloropropane	7.16	77	162495	22.261	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	163472	21.780	ug/l	98
28) Bromochloromethane	7.51	49	91481	18.105	ug/l	97
29) Tetrahydrofuran	7.52	42	144178	106.692	ug/l	99
30) Chloroform	7.66	83	257028	21.250	ug/l	99
31) Cyclohexane	7.95	56	294497	21.911	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	214948	21.887	ug/l	100
36) 1,1-Dichloropropene	8.07	75	228097	21.739	ug/l	99
37) Ethyl Acetate	7.24	43	102255	21.926	ug/l	99
38) Carbon Tetrachloride	8.06	117	196089	21.458	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	279260	22.118	ug/l	99
40) Benzene	8.32	78	629259	21.476	ug/l	100
41) Methacrylonitrile	7.48	41	63943	25.058	ug/l	90
42) 1,2-Dichloroethane	8.40	62	167687	21.297	ug/l	99
43) Isopropyl Acetate	8.42	43	180838	21.419	ug/l	100
44) Trichloroethene	9.09	130	161230	21.564	ug/l	97
45) 1,2-Dichloropropane	9.37	63	157209	21.627	ug/l	99
46) Dibromomethane	9.45	93	72557	21.061	ug/l	98
47) Bromodichloromethane	9.64	83	184275	20.904	ug/l	99
48) Methyl methacrylate	9.43	41	89619	22.521	ug/l	91
49) 1,4-Dioxane	9.44	88	23539	377.241	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	467135	106.263	ug/l	100
52) Toluene	10.38	92	390167	21.811	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	184164	20.983	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	226853	21.100	ug/l	100
55) 1,1,2-Trichloroethane	10.78	97	102467	20.781	ug/l	96
56) Ethyl methacrylate	10.64	69	133344	20.984	ug/l	99
57) 1,3-Dichloropropane	10.93	76	189288	21.412	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	193748	94.829	ug/l	99
59) 2-Hexanone	10.96	43	318952	107.670	ug/l	99
60) Dibromochloromethane	11.12	129	115187	20.903	ug/l	96
61) 1,2-Dibromoethane	11.23	107	96630	20.948	ug/l	98
64) Tetrachloroethene	10.86	164	130785	21.412	ug/l	97
65) Chlorobenzene	11.65	112	384621	21.553	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	129385	21.408	ug/l	99
67) Ethyl Benzene	11.73	91	720926	22.175	ug/l	98
68) m/p-Xylenes	11.83	106	545862	44.416	ug/l	100
69) o-Xylene	12.16	106	244187	22.016	ug/l	99
70) Styrene	12.18	104	418008	21.925	ug/l	100
71) Bromoform	12.35	173	64566	20.852	ug/l	98
73) Isopropylbenzene	12.46	105	686225	22.894	ug/l	98
74) N-amyl acetate	12.27	43	157568	22.072	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	120324	21.993	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	92336m	22.017	ug/l	
77) Bromobenzene	12.74	156	150194	21.792	ug/l	95
78) n-propylbenzene	12.80	91	834515	22.855	ug/l	100
79) 2-Chlorotoluene	12.89	91	462447	22.367	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	576334	22.604	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	37499	21.161	ug/l	94
82) 4-Chlorotoluene	12.99	91	483699	22.373	ug/l	100
83) tert-Butylbenzene	13.21	119	501311	22.724	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	574298	22.539	ug/l	99
85) sec-Butylbenzene	13.38	105	706305	22.737	ug/l	100
86) p-Isopropyltoluene	13.49	119	637501	22.654	ug/l	100
87) 1,3-Dichlorobenzene	13.49	146	300353	21.959	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	296586	21.999	ug/l	99
89) n-Butylbenzene	13.82	91	608722	22.678	ug/l	99
90) Hexachloroethane	14.09	117	107652	21.560	ug/l	98
91) 1,2-Dichlorobenzene	13.86	146	266679	22.229	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	19149	21.601	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	169174	22.182	ug/l	97
94) Hexachlorobutadiene	15.24	225	116972	22.481	ug/l	98
95) Naphthalene	15.36	128	273091	19.894	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	145572	22.297	ug/l	98

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

