

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012420\
 Data File : VW014745.D
 Acq On : 24 Jan 2020 15:40
 Operator : SY/VA
 Sample : VW0124SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0124SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:06:33 PM

Quant Time: Jan 25 06:18:25 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	748905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1141508	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	968299	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	467388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	355528	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
35) Dibromofluoromethane	7.88	113	328255	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	10.32	98	1393783	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
62) 4-Bromofluorobenzene	12.62	95	455845	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	94224	20.320	ug/l	97
3) Chloromethane	2.21	50	134837	20.428	ug/l	98
4) Vinyl Chloride	2.35	62	198710	19.820	ug/l	97
5) Bromomethane	2.76	94	113216	20.269	ug/l	93
6) Chloroethane	2.92	64	113919	20.505	ug/l	98
7) Trichlorofluoromethane	3.25	101	94844	19.704	ug/l	98
8) Diethyl Ether	3.67	74	74917	19.746	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	150251	19.737	ug/l	99
10) Methyl Iodide	4.27	142	202343	19.206	ug/l	99
11) Tert butyl alcohol	5.16	59	54284	104.737	ug/l	97
12) 1,1-Dichloroethene	4.04	96	154452	19.998	ug/l	89
13) Acrolein	3.88	56	58464	101.242	ug/l	98
14) Allyl chloride	4.66	41	260345	20.524	ug/l	98
15) Acrylonitrile	5.36	53	182120	101.135	ug/l	99
16) Acetone	4.11	43	179331	98.926	ug/l	96
17) Carbon Disulfide	4.38	76	486589	19.760	ug/l	96
18) Methyl Acetate	4.66	43	81681	20.127	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	194181	20.088	ug/l	96
20) Methylene Chloride	4.91	84	170217	19.260	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	164309	20.063	ug/l	95
22) Diisopropyl ether	6.31	45	484231	20.785	ug/l	99
23) Vinyl Acetate	6.24	43	1418118	102.675	ug/l	99
24) 1,1-Dichloroethane	6.21	63	294696	20.145	ug/l	99
25) 2-Butanone	7.16	43	242303	101.554	ug/l	100
26) 2,2-Dichloropropane	7.16	77	168396	20.656	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	171000	20.399	ug/l	99
28) Bromochloromethane	7.51	49	103500	18.340	ug/l	97
29) Tetrahydrofuran	7.52	42	151339	100.273	ug/l	99
30) Chloroform	7.67	83	272311	20.158	ug/l	99
31) Cyclohexane	7.95	56	304585	20.290	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	222898	20.321	ug/l	100
36) 1,1-Dichloropropene	8.08	75	239994	20.733	ug/l	99
37) Ethyl Acetate	7.24	43	105783	20.560	ug/l	99
38) Carbon Tetrachloride	8.07	117	205910	20.425	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	287776	20.660	ug/l	99
40) Benzene	8.32	78	662673	20.500	ug/l	100
41) Methacrylonitrile	7.48	41	56575	20.096	ug/l	99
42) 1,2-Dichloroethane	8.40	62	174892	20.134	ug/l	100
43) Isopropyl Acetate	8.42	43	189973	20.396	ug/l	99
44) Trichloroethene	9.09	130	169617	20.563	ug/l	97
45) 1,2-Dichloropropane	9.37	63	162194	20.225	ug/l	99
46) Dibromomethane	9.46	93	75165	19.777	ug/l	100
47) Bromodichloromethane	9.64	83	191885	19.730	ug/l	100
48) Methyl methacrylate	9.43	41	92787	21.136	ug/l	92
49) 1,4-Dioxane	9.44	88	24897	361.673	ug/l	92
51) 4-Methyl-2-Pentanone	10.21	43	498576	102.804	ug/l	100
52) Toluene	10.38	92	407752	20.661	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	192880	19.920	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	235497	19.855	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	108031	19.860	ug/l	97
56) Ethyl methacrylate	10.64	69	138984	19.825	ug/l	99
57) 1,3-Dichloropropane	10.93	76	197980	20.300	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	202691	89.924	ug/l	99
59) 2-Hexanone	10.96	43	337325	103.218	ug/l	99
60) Dibromochloromethane	11.12	129	120109	19.757	ug/l	97
61) 1,2-Dibromoethane	11.23	107	100760	19.799	ug/l	98
64) Tetrachloroethene	10.86	164	139770	20.844	ug/l	97
65) Chlorobenzene	11.65	112	404803	20.663	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.72	131	136681	20.600	ug/l	98
67) Ethyl Benzene	11.73	91	754793	21.147	ug/l	99
68) m/p-Xylenes	11.83	106	566321	41.974	ug/l	99
69) o-Xylene	12.16	106	256244	21.044	ug/l	99
70) Styrene	12.18	104	435872	20.824	ug/l	100
71) Bromoform	12.35	173	68760	20.227	ug/l #	100
73) Isopropylbenzene	12.46	105	712482	21.483	ug/l	99
74) N-amyl acetate	12.27	43	164145	20.781	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	127475	21.058	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	96927m	20.887	ug/l	
77) Bromobenzene	12.74	156	160035	20.985	ug/l	98
78) n-propylbenzene	12.80	91	873140	21.612	ug/l	100
79) 2-Chlorotoluene	12.89	91	485163	21.208	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	604726	21.435	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	40356	20.582	ug/l	99
82) 4-Chlorotoluene	12.99	91	506385	21.169	ug/l	99
83) tert-Butylbenzene	13.20	119	515406	21.115	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	600206	21.289	ug/l	100
85) sec-Butylbenzene	13.38	105	729799	21.232	ug/l	100
86) p-Isopropyltoluene	13.49	119	660619	21.217	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	310351	20.507	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	306321	20.534	ug/l	99
89) n-Butylbenzene	13.82	91	634929	21.378	ug/l	98
90) Hexachloroethane	14.09	117	111511	20.184	ug/l	97
91) 1,2-Dichlorobenzene	13.86	146	271732	20.471	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20651	21.054	ug/l	94

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	174869	20.722	ug/l	99
94) Hexachlorobutadiene	15.23	225	115768	20.109	ug/l	98
95) Naphthalene	15.36	128	287945	19.003	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	148229	20.519	ug/l	98

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

