

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW012320\
 Data File : VW014721.D
 Acq On : 23 Jan 2020 13:10
 Operator : SY/VA
 Sample : VW0123SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0123SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:02:33 PM

Quant Time: Jan 24 05:28:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 03 16:07:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	638385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	958471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	842169	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	412279	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	317950	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
35) Dibromofluoromethane	7.88	113	306178	55.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.78%	
50) Toluene-d8	10.32	98	1231628	53.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.76%	
62) 4-Bromofluorobenzene	12.62	95	419624	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	80572	22.353	ug/l	93
3) Chloromethane	2.21	50	116898	26.496	ug/l	98
4) Vinyl Chloride	2.35	62	163958	25.266	ug/l	100
5) Bromomethane	2.75	94	95565	23.839	ug/l	98
6) Chloroethane	2.91	64	91432	24.717	ug/l	99
7) Trichlorofluoromethane	3.25	101	85015	26.185	ug/l	97
8) Diethyl Ether	3.67	74	73932	22.886	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	146614	24.168	ug/l	98
10) Methyl Iodide	4.27	142	206241	22.532	ug/l	97
11) Tert butyl alcohol	5.16	59	55408	116.505	ug/l	99
12) 1,1-Dichloroethene	4.03	96	145741	22.941	ug/l	95
13) Acrolein	3.89	56	49042	100.670	ug/l	100
14) Allyl chloride	4.66	41	240324	24.755	ug/l	98
15) Acrylonitrile	5.36	53	175295	118.714	ug/l	100
16) Acetone	4.12	43	166663	105.749	ug/l	95
17) Carbon Disulfide	4.38	76	441347	23.050	ug/l	98
18) Methyl Acetate	4.66	43	91464	24.030	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	195453	24.785	ug/l	98
20) Methylene Chloride	4.92	84	178533	25.822	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	156961	23.269	ug/l	94
22) Diisopropyl ether	6.31	45	463397	25.502	ug/l	98
23) Vinyl Acetate	6.25	43	1334632	121.630	ug/l	98
24) 1,1-Dichloroethane	6.21	63	281828	24.588	ug/l	99
25) 2-Butanone	7.17	43	234710	116.046	ug/l	99
26) 2,2-Dichloropropane	7.16	77	156650	24.685	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	165701	23.378	ug/l	95
28) Bromochloromethane	7.51	49	102951	22.910	ug/l	90
29) Tetrahydrofuran	7.52	42	145527	116.144	ug/l	98
30) Chloroform	7.67	83	264341	24.662	ug/l	97
31) Cyclohexane	7.95	56	279287	23.446	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	214856	24.924	ug/l	98
36) 1,1-Dichloropropene	8.07	75	218964	23.697	ug/l	99
37) Ethyl Acetate	7.24	43	101007	24.103	ug/l	98
38) Carbon Tetrachloride	8.06	117	192157	23.971	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	270333	22.798	ug/l	96
40) Benzene	8.32	78	634406	24.266	ug/l	100
41) Methacrylonitrile	7.48	41	54806	23.461	ug/l	96
42) 1,2-Dichloroethane	8.40	62	169586	24.996	ug/l	98
43) Isopropyl Acetate	8.42	43	184090	24.191	ug/l	98
44) Trichloroethene	9.09	130	162490	22.969	ug/l	99
45) 1,2-Dichloropropane	9.37	63	156573	24.406	ug/l	97
46) Dibromomethane	9.46	93	73653	23.256	ug/l	97
47) Bromodichloromethane	9.64	83	186075	23.798	ug/l	98
48) Methyl methacrylate	9.43	41	79156	21.305	ug/l	92
49) 1,4-Dioxane	9.44	88	27676	467.223	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	474746	120.134	ug/l	98
52) Toluene	10.38	92	389802	23.700	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	185886	22.961	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	230997	23.346	ug/l	96
55) 1,1,2-Trichloroethane	10.78	97	105662	22.844	ug/l	98
56) Ethyl methacrylate	10.64	69	136698	22.741	ug/l	96
57) 1,3-Dichloropropane	10.93	76	192500	23.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	210756	115.280	ug/l	97
59) 2-Hexanone	10.96	43	323923	118.952	ug/l	96
60) Dibromochloromethane	11.12	129	119308	22.861	ug/l	99
61) 1,2-Dibromoethane	11.23	107	100252	22.833	ug/l	100
64) Tetrachloroethene	10.86	164	137014	22.472	ug/l	99
65) Chlorobenzene	11.65	112	394283	22.852	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	133256	22.939	ug/l	100
67) Ethyl Benzene	11.73	91	725619	23.337	ug/l	97
68) m/p-Xylenes	11.83	106	554638	46.608	ug/l	99
69) o-Xylene	12.16	106	249157	22.666	ug/l	98
70) Styrene	12.18	104	429321	23.091	ug/l	99
71) Bromoform	12.35	173	68620	21.656	ug/l #	98
73) Isopropylbenzene	12.46	105	691694	22.865	ug/l	99
74) N-amyl acetate	12.27	43	159830	23.564	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	126131	23.100	ug/l	100
76) 1,2,3-Trichloropropane	12.76	75	76663m	19.667	ug/l	
77) Bromobenzene	12.74	156	157760	22.454	ug/l	96
78) n-propylbenzene	12.80	91	841320	23.651	ug/l	99
79) 2-Chlorotoluene	12.89	91	473202	23.376	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	593800	23.378	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	37975	21.706	ug/l	94
82) 4-Chlorotoluene	12.99	91	493330	23.457	ug/l	99
83) tert-Butylbenzene	13.20	119	507782	22.834	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	588857	23.297	ug/l	98
85) sec-Butylbenzene	13.38	105	719102	23.361	ug/l	100
86) p-Isopropyltoluene	13.49	119	648220	23.103	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	310916	22.757	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	305442	22.645	ug/l	98
89) n-Butylbenzene	13.82	91	607790	23.327	ug/l	98
90) Hexachloroethane	14.09	117	112636	22.980	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	276682	23.041	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	20232	23.399	ug/l	88

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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	174298	21.494	ug/l	98
94) Hexachlorobutadiene	15.23	225	118160	21.743	ug/l	99
95) Naphthalene	15.36	128	286016	20.681	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	151205	21.391	ug/l	100

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

