

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010920\
 Data File : VW014574.D
 Acq On : 09 Jan 2020 11:40
 Operator : SY/VA
 Sample : VW0109SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0109SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:40:52 AM

Quant Time: Jan 09 12:52:53 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	617505	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	904305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	775933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	379391	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	280532	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
35) Dibromofluoromethane	7.88	113	275625	53.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.66%	
50) Toluene-d8	10.32	98	1149921	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.62	95	386871	52.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	70988	20.360	ug/l	98
3) Chloromethane	2.21	50	92395	21.650	ug/l	99
4) Vinyl Chloride	2.36	62	135681	21.616	ug/l	97
5) Bromomethane	2.76	94	81127	20.922	ug/l	99
6) Chloroethane	2.92	64	74973	20.953	ug/l	99
7) Trichlorofluoromethane	3.25	101	62740	19.977	ug/l	98
8) Diethyl Ether	3.68	74	62788	20.094	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	121185	20.652	ug/l	98
10) Methyl Iodide	4.27	142	178295	20.138	ug/l	99
11) Tert butyl alcohol	5.17	59	43496	89.792	ug/l	99
12) 1,1-Dichloroethene	4.04	96	123088	20.030	ug/l	96
13) Acrolein	3.89	56	46423	98.516	ug/l	100
14) Allyl chloride	4.66	41	188795	20.105	ug/l	99
15) Acrylonitrile	5.37	53	152375	106.681	ug/l	99
16) Acetone	4.12	43	151867	99.619	ug/l	94
17) Carbon Disulfide	4.38	76	369498	19.950	ug/l	99
18) Methyl Acetate	4.67	43	77116	20.945	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	161667	21.194	ug/l	95
20) Methylene Chloride	4.92	84	138226	19.677	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	134995	20.689	ug/l	92
22) Diisopropyl ether	6.31	45	353332	20.102	ug/l	98
23) Vinyl Acetate	6.25	43	1078549	101.616	ug/l	100
24) 1,1-Dichloroethane	6.21	63	223754	20.181	ug/l	98
25) 2-Butanone	7.17	43	202002	103.252	ug/l	99
26) 2,2-Dichloropropane	7.16	77	127865	20.830	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	137681	20.081	ug/l	99
28) Bromochloromethane	7.51	49	79298	18.243	ug/l	98
29) Tetrahydrofuran	7.52	42	125098	103.216	ug/l	99
30) Chloroform	7.67	83	211051	20.356	ug/l	99
31) Cyclohexane	7.95	56	229609	19.927	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	174537	20.931	ug/l	100
36) 1,1-Dichloropropene	8.08	75	183950	21.100	ug/l	100
37) Ethyl Acetate	7.24	43	83819	21.199	ug/l	98
38) Carbon Tetrachloride	8.06	117	159148	21.042	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	223396	19.968	ug/l	96
40) Benzene	8.32	78	520613	21.106	ug/l	99
41) Methacrylonitrile	7.48	41	44893	20.369	ug/l	97
42) 1,2-Dichloroethane	8.40	62	133558	20.865	ug/l	99
43) Isopropyl Acetate	8.41	43	151240	21.065	ug/l	100
44) Trichloroethene	9.09	130	140656	21.074	ug/l	96
45) 1,2-Dichloropropane	9.37	63	124964	20.646	ug/l	99
46) Dibromomethane	9.45	93	62650	20.967	ug/l	98
47) Bromodichloromethane	9.64	83	149592	20.278	ug/l	99
48) Methyl methacrylate	9.43	41	66229	18.893	ug/l	91
49) 1,4-Dioxane	9.45	88	23905	427.734	ug/l	93
51) 4-Methyl-2-Pentanone	10.21	43	394104	105.701	ug/l	98
52) Toluene	10.38	92	325110	20.951	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	156971	20.551	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	189745	20.326	ug/l	99
55) 1,1,2-Trichloroethane	10.78	97	92251	21.139	ug/l	97
56) Ethyl methacrylate	10.64	69	117343	20.690	ug/l	98
57) 1,3-Dichloropropane	10.93	76	160776	20.962	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	180301	104.529	ug/l	99
59) 2-Hexanone	10.96	43	276748	107.716	ug/l	99
60) Dibromochloromethane	11.13	129	101097	20.532	ug/l	98
61) 1,2-Dibromoethane	11.23	107	88946	21.472	ug/l	100
64) Tetrachloroethene	10.86	164	119325	21.242	ug/l	97
65) Chlorobenzene	11.65	112	333466	20.977	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	112530	21.025	ug/l	100
67) Ethyl Benzene	11.73	91	602029	21.015	ug/l	100
68) m/p-Xylenes	11.84	106	463306	42.256	ug/l	100
69) o-Xylene	12.16	106	211495	20.883	ug/l	99
70) Styrene	12.18	104	361806	21.121	ug/l	99
71) Bromoform	12.35	173	60443	20.704	ug/l #	99
73) Isopropylbenzene	12.46	105	589327	21.170	ug/l	100
74) N-amyl acetate	12.27	43	128413	20.573	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	109274	21.748	ug/l	99
76) 1,2,3-Trichloropropane	12.76	75	64898m	18.092	ug/l	
77) Bromobenzene	12.74	156	139520	21.579	ug/l	95
78) n-propylbenzene	12.80	91	694519	21.217	ug/l	99
79) 2-Chlorotoluene	12.89	91	390571	20.966	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	493764	21.125	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	33263	20.661	ug/l	95
82) 4-Chlorotoluene	12.99	91	403478	20.848	ug/l	100
83) tert-Butylbenzene	13.20	119	427559	20.893	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	487032	20.939	ug/l	100
85) sec-Butylbenzene	13.38	105	598974	21.146	ug/l	99
86) p-Isopropyltoluene	13.49	119	540829	20.947	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	263035	20.921	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	262399	21.140	ug/l	99
89) n-Butylbenzene	13.82	91	494970	20.644	ug/l	98
90) Hexachloroethane	14.09	117	90704	20.110	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	233702	21.149	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.48	75	17033	21.407	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	153527	20.573	ug/l	99
94) Hexachlorobutadiene	15.24	225	100812	20.159	ug/l	99
95) Naphthalene	15.36	128	265831	20.888	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	136290	20.953	ug/l	98

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

