

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022119\
 Data File : VW008771.D
 Acq On : 21 Feb 2019 15:55
 Operator : SY/VA
 Sample : VW0221SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0221SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/22/2019 12:25:46 PM

Quant Time: Feb 22 00:59:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	337029	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	494265	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	463830	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	251578	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	167569	53.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.02%	
35) Dibromofluoromethane	7.88	113	157298	53.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.00%	
50) Toluene-d8	10.32	98	589159	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	220422	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	66097	19.581	ug/l 99
3) Chloromethane	2.21	50	84233	20.499	ug/l 97
4) Vinyl Chloride	2.36	62	84353	19.389	ug/l 98
5) Bromomethane	2.76	94	73700	22.808	ug/l 100
6) Chloroethane	2.91	64	59226	19.171	ug/l 95
7) Trichlorofluoromethane	3.26	101	120163	21.839	ug/l 94
8) Diethyl Ether	3.68	74	37291	21.407	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	70806	21.191	ug/l 99
10) Methyl Iodide	4.27	142	88133	21.093	ug/l 100
11) Tert butyl alcohol	5.19	59	25412	90.300	ug/l 98
12) 1,1-Dichloroethene	4.03	96	63647	21.569	ug/l 96
13) Acrolein	3.89	56	24532	95.887	ug/l 96
14) Allyl chloride	4.67	41	111508	21.894	ug/l 99
15) Acrylonitrile	5.37	53	75957	101.600	ug/l 99
16) Acetone	4.13	43	76024	103.759	ug/l 96
17) Carbon Disulfide	4.37	76	197477	20.170	ug/l 99
18) Methyl Acetate	4.68	43	34308	19.741	ug/l 100
19) Methyl tert-butyl Ether	5.42	73	173023	21.663	ug/l 94
20) Methylene Chloride	4.91	84	93392	23.129	ug/l 96
21) trans-1,2-Dichloroethene	5.42	96	72722	21.305	ug/l 95
22) Diisopropyl ether	6.31	45	219835	21.638	ug/l 98
23) Vinyl Acetate	6.26	43	687133	109.465	ug/l 99
24) 1,1-Dichloroethane	6.21	63	128702	21.861	ug/l 98
25) 2-Butanone	7.18	43	103774	101.306	ug/l 94
26) 2,2-Dichloropropane	7.17	77	114879	21.493	ug/l 99
27) cis-1,2-Dichloroethene	7.17	96	79485	21.769	ug/l 99
28) Bromochloromethane	7.51	49	50746	20.598	ug/l 98
29) Tetrahydrofuran	7.53	42	65299	100.029	ug/l 99
30) Chloroform	7.67	83	132219	21.892	ug/l 95
31) Cyclohexane	7.95	56	129350	21.706	ug/l 92
32) 1,1,1-Trichloroethane	7.87	97	119663	21.787	ug/l 100
36) 1,1-Dichloropropene	8.09	75	104733	21.768	ug/l 98
37) Ethyl Acetate	7.25	43	46695	20.870	ug/l 98
38) Carbon Tetrachloride	8.07	117	107952	21.275	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	126052	21.004	ug/l	100
40) Benzene	8.32	78	287433	21.880	ug/l	99
41) Methacrylonitrile	7.48	41	26702	20.303	ug/l	96
42) 1,2-Dichloroethane	8.40	62	87006	20.908	ug/l	98
43) Isopropyl Acetate	8.42	43	89975	20.149	ug/l	99
44) Trichloroethene	9.09	130	80595	21.779	ug/l	97
45) 1,2-Dichloropropane	9.37	63	70359	21.674	ug/l	98
46) Dibromomethane	9.46	93	38249	21.183	ug/l	98
47) Bromodichloromethane	9.64	83	94334	21.473	ug/l	95
48) Methyl methacrylate	9.43	41	39323	18.387	ug/l	93
49) 1,4-Dioxane	9.46	88	11215	387.846	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	219962	97.025	ug/l	100
52) Toluene	10.38	92	184128	20.653	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	93960	20.983	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	112740	22.075	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	51701	21.113	ug/l	97
56) Ethyl methacrylate	10.65	69	62041	19.501	ug/l	99
57) 1,3-Dichloropropane	10.93	76	91975	21.273	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	177875	111.164	ug/l	99
59) 2-Hexanone	10.97	43	152490	94.491	ug/l	99
60) Dibromochloromethane	11.13	129	63597	21.292	ug/l	99
61) 1,2-Dibromoethane	11.24	107	51533	21.260	ug/l	97
64) Tetrachloroethene	10.86	164	70194	21.142	ug/l	99
65) Chlorobenzene	11.66	112	203680	20.884	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	70825	21.477	ug/l	98
67) Ethyl Benzene	11.73	91	363350	20.840	ug/l	99
68) m/p-Xylenes	11.84	106	290951	41.766	ug/l	97
69) o-Xylene	12.17	106	136135	20.820	ug/l	99
70) Styrene	12.18	104	216458	20.577	ug/l	99
71) Bromoform	12.35	173	36541	20.614	ug/l #	100
73) Isopropylbenzene	12.46	105	365933	21.218	ug/l	98
74) N-amyl acetate	12.27	43	81052	18.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	58230	20.663	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	41743m	20.097	ug/l	
77) Bromobenzene	12.75	156	87998	21.592	ug/l	97
78) n-propylbenzene	12.80	91	449074	21.286	ug/l	98
79) 2-Chlorotoluene	12.89	91	253200	21.139	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	310063	20.688	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16938	19.824	ug/l	97
82) 4-Chlorotoluene	12.99	91	265885	21.065	ug/l	100
83) tert-Butylbenzene	13.21	119	270798	20.896	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	318034	20.499	ug/l	99
85) sec-Butylbenzene	13.38	105	387971	20.820	ug/l	100
86) p-Isopropyltoluene	13.50	119	350328	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	175466	20.751	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	174173	20.899	ug/l	99
89) n-Butylbenzene	13.83	91	326267	20.387	ug/l	99
90) Hexachloroethane	14.10	117	57839	20.683	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	157040	20.843	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9685	18.999	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	110420	20.340	ug/l	100
94) Hexachlorobutadiene	15.24	225	65306	20.423	ug/l	100
95) Naphthalene	15.37	128	180505	19.529	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	93858	19.996	ug/l	99

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

