

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090119\
 Data File : VW012467.D
 Acq On : 02 Sep 2019 00:40
 Operator : SY/VA
 Sample : VW0901SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0901SBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 10:44:54 AM

Quant Time: Sep 02 08:26:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	179400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	286460	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	244349	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	121308	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	123370	57.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.70%	
35) Dibromofluoromethane	7.88	113	94789	55.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.88%	
50) Toluene-d8	10.32	98	375024	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
62) 4-Bromofluorobenzene	12.62	95	135515	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	17991	16.287	ug/l	98
3) Chloromethane	2.21	50	35122	20.522	ug/l	99
4) Vinyl Chloride	2.36	62	41368	19.749	ug/l	93
5) Bromomethane	2.75	94	22493	21.203	ug/l	99
6) Chloroethane	2.92	64	24390	20.641	ug/l	95
7) Trichlorofluoromethane	3.25	101	22576	21.464	ug/l	92
8) Diethyl Ether	3.68	74	19986	20.019	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	36878	20.627	ug/l	97
10) Methyl Iodide	4.27	142	47340	19.570	ug/l	97
11) Tert butyl alcohol	5.15	59	16081	125.300	ug/l #	84
12) 1,1-Dichloroethene	4.03	96	34977	19.437	ug/l	94
13) Acrolein	3.89	56	9598	79.447	ug/l	96
14) Allyl chloride	4.67	41	76694	19.936	ug/l	99
15) Acrylonitrile	5.37	53	55550	112.257	ug/l	98
16) Acetone	4.11	43	51756	94.940	ug/l	98
17) Carbon Disulfide	4.38	76	89578	16.472	ug/l	100
18) Methyl Acetate	4.67	43	34987	25.912	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	66637	22.899	ug/l	99
20) Methylene Chloride	4.92	84	41012	19.900	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	37209	19.283	ug/l	95
22) Diisopropyl ether	6.31	45	153269	21.494	ug/l	97
23) Vinyl Acetate	6.25	43	440832	100.454	ug/l	98
24) 1,1-Dichloroethane	6.21	63	80647	20.771	ug/l	99
25) 2-Butanone	7.17	43	77363	104.433	ug/l	99
26) 2,2-Dichloropropane	7.17	77	45799	20.841	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	42745	20.733	ug/l	98
28) Bromochloromethane	7.51	49	36779	21.734	ug/l	97
29) Tetrahydrofuran	7.53	42	50929	114.591	ug/l	99
30) Chloroform	7.67	83	78082	21.982	ug/l	96
31) Cyclohexane	7.95	56	71141	18.520	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	61253	21.798	ug/l	96
36) 1,1-Dichloropropene	8.08	75	60272	20.361	ug/l	100
37) Ethyl Acetate	7.25	43	35555	21.918	ug/l	99
38) Carbon Tetrachloride	8.06	117	55658	21.723	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	62775	18.876	ug/l	97
40) Benzene	8.32	78	164632	20.367	ug/l	99
41) Methacrylonitrile	7.48	41	21744	22.807	ug/l	97
42) 1,2-Dichloroethane	8.40	62	56779	22.413	ug/l	98
43) Isopropyl Acetate	8.42	43	65901	21.932	ug/l	100
44) Trichloroethene	9.09	130	41030	20.881	ug/l	96
45) 1,2-Dichloropropane	9.37	63	44466	20.440	ug/l	99
46) Dibromomethane	9.46	93	20924	21.618	ug/l	98
47) Bromodichloromethane	9.65	83	56589	21.968	ug/l	98
48) Methyl methacrylate	9.43	41	31085	21.736	ug/l	96
49) 1,4-Dioxane	9.45	88	7232	488.071	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	173890	113.779	ug/l	99
52) Toluene	10.38	92	101548	20.912	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	54797	20.883	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	63538	20.054	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	29992	21.901	ug/l	98
56) Ethyl methacrylate	10.65	69	43280	21.715	ug/l	98
57) 1,3-Dichloropropane	10.93	76	57037	22.040	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	111794	109.289	ug/l	99
59) 2-Hexanone	10.97	43	118549	109.628	ug/l	98
60) Dibromochloromethane	11.13	129	33169	21.745	ug/l	99
61) 1,2-Dibromoethane	11.23	107	28008	21.953	ug/l	100
64) Tetrachloroethene	10.86	164	36047	22.754	ug/l	97
65) Chlorobenzene	11.66	112	101734	21.144	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37273	22.206	ug/l	99
67) Ethyl Benzene	11.73	91	194659	21.002	ug/l	98
68) m/p-Xylenes	11.84	106	140808	42.176	ug/l	99
69) o-Xylene	12.16	106	65969	21.349	ug/l	100
70) Styrene	12.18	104	116696	21.819	ug/l	99
71) Bromoform	12.35	173	19515	23.335	ug/l	96
73) Isopropylbenzene	12.46	105	185404	20.397	ug/l	99
74) N-amyl acetate	12.27	43	59542	21.681	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	36303	21.785	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	24150m	20.441	ug/l	
77) Bromobenzene	12.74	156	41876	21.295	ug/l	99
78) n-propylbenzene	12.80	91	226767	20.435	ug/l	99
79) 2-Chlorotoluene	12.89	91	132316	21.002	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	160802	21.171	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10611	19.692	ug/l	93
82) 4-Chlorotoluene	12.99	91	139838	21.198	ug/l	99
83) tert-Butylbenzene	13.21	119	139097	21.619	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	160350	21.016	ug/l	100
85) sec-Butylbenzene	13.38	105	193163	20.956	ug/l	100
86) p-Isopropyltoluene	13.50	119	172958	21.010	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	81494	21.187	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	80813	21.160	ug/l	99
89) n-Butylbenzene	13.82	91	167576	20.470	ug/l	100
90) Hexachloroethane	14.09	117	30443	21.078	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	74249	22.005	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6794	24.184	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	49504	21.230	ug/l	99
94) Hexachlorobutadiene	15.24	225	35105	22.800	ug/l	99
95) Naphthalene	15.36	128	83069	20.907	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	43440	21.352	ug/l	99

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

