

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082819\
 Data File : VW012270.D
 Acq On : 28 Aug 2019 23:52
 Operator : SY/VA
 Sample : VW0828SBS02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0828SBS02

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 9:41:34 AM

Quant Time: Aug 29 07:12:19 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	234951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	387186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	338994	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	164411	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	146464	52.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.88%	
35) Dibromofluoromethane	7.88	113	116187	50.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.54%	
50) Toluene-d8	10.32	98	463524	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.62	95	167015	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	23298	16.104	ug/l	99
3) Chloromethane	2.20	50	39003	17.402	ug/l	99
4) Vinyl Chloride	2.36	62	45619	16.629	ug/l	96
5) Bromomethane	2.76	94	21950	15.799	ug/l	98
6) Chloroethane	2.90	64	26352	17.028	ug/l	92
7) Trichlorofluoromethane	3.25	101	21843	15.857	ug/l	100
8) Diethyl Ether	3.68	74	27388	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41911	17.900	ug/l	98
10) Methyl Iodide	4.26	142	56710	17.901	ug/l	99
11) Tert butyl alcohol	5.18	59	20125	119.734	ug/l	99
12) 1,1-Dichloroethene	4.03	96	40820	17.321	ug/l	99
13) Acrolein	3.89	56	14690	92.847	ug/l	98
14) Allyl chloride	4.66	41	94911	18.838	ug/l	99
15) Acrylonitrile	5.36	53	72674	112.138	ug/l	99
16) Acetone	4.12	43	62106	86.990	ug/l	100
17) Carbon Disulfide	4.38	76	104215	14.632	ug/l	100
18) Methyl Acetate	4.67	43	44888	25.385	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	83619	21.941	ug/l	98
20) Methylene Chloride	4.91	84	54186	20.076	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	47985	18.988	ug/l	94
22) Diisopropyl ether	6.31	45	199978	21.414	ug/l	97
23) Vinyl Acetate	6.25	43	600048	104.406	ug/l	99
24) 1,1-Dichloroethane	6.21	63	101178	19.898	ug/l	100
25) 2-Butanone	7.17	43	100119	103.197	ug/l	99
26) 2,2-Dichloropropane	7.16	77	52167	18.126	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	54925	20.342	ug/l	99
28) Bromochloromethane	7.51	49	49180	22.191	ug/l	97
29) Tetrahydrofuran	7.53	42	68157	117.096	ug/l	99
30) Chloroform	7.67	83	95219	20.468	ug/l	97
31) Cyclohexane	7.95	56	86576	17.209	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	70474	19.150	ug/l	100
36) 1,1-Dichloropropene	8.08	75	72276	18.064	ug/l	99
37) Ethyl Acetate	7.25	43	47393	21.615	ug/l	99
38) Carbon Tetrachloride	8.06	117	62543	18.060	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	77429	17.226	ug/l	99
40) Benzene	8.32	78	210307	19.249	ug/l	99
41) Methacrylonitrile	7.49	41	30891	23.972	ug/l	94
42) 1,2-Dichloroethane	8.40	62	70102	20.473	ug/l	100
43) Isopropyl Acetate	8.42	43	87065	21.438	ug/l	100
44) Trichloroethene	9.09	130	51032	19.215	ug/l	95
45) 1,2-Dichloropropane	9.37	63	58827	20.007	ug/l	98
46) Dibromomethane	9.46	93	27178	20.774	ug/l	99
47) Bromodichloromethane	9.64	83	69268	19.894	ug/l	99
48) Methyl methacrylate	9.43	41	40957	21.189	ug/l	97
49) 1,4-Dioxane	9.46	88	8817	440.240	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	232085	112.352	ug/l	99
52) Toluene	10.38	92	127814	19.474	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	70648	19.920	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	82890	19.356	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	38269	20.675	ug/l	97
56) Ethyl methacrylate	10.65	69	57388	21.302	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73273	20.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	150705	109.001	ug/l	100
59) 2-Hexanone	10.97	43	154488	105.697	ug/l	100
60) Dibromochloromethane	11.13	129	42059	20.400	ug/l	99
61) 1,2-Dibromoethane	11.23	107	36206	20.996	ug/l	99
64) Tetrachloroethene	10.86	164	42051	19.133	ug/l	99
65) Chlorobenzene	11.66	112	131611	19.717	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	46395	19.923	ug/l	98
67) Ethyl Benzene	11.73	91	247622	19.258	ug/l	99
68) m/p-Xylenes	11.84	106	178326	38.501	ug/l	100
69) o-Xylene	12.16	106	84357	19.678	ug/l	100
70) Styrene	12.18	104	147371	19.861	ug/l	100
71) Bromoform	12.35	173	23793	20.508	ug/l #	99
73) Isopropylbenzene	12.46	105	235224	19.094	ug/l	99
74) N-amyl acetate	12.27	43	79797	21.439	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47611	21.080	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	39433m	24.626	ug/l	
77) Bromobenzene	12.74	156	52959	19.871	ug/l	100
78) n-propylbenzene	12.80	91	285734	18.999	ug/l	99
79) 2-Chlorotoluene	12.89	91	164943	19.317	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	199251	19.356	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14149	19.374	ug/l	99
82) 4-Chlorotoluene	12.99	91	175016	19.575	ug/l	99
83) tert-Butylbenzene	13.21	119	169739	19.465	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	199831	19.325	ug/l	100
85) sec-Butylbenzene	13.38	105	240794	19.274	ug/l	100
86) p-Isopropyltoluene	13.50	119	214959	19.267	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102279	19.620	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	102787	19.858	ug/l	98
89) n-Butylbenzene	13.82	91	210135	18.940	ug/l	100
90) Hexachloroethane	14.09	117	36347	18.569	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	92321	20.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7769	20.404	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62661	19.827	ug/l	99
94) Hexachlorobutadiene	15.24	225	40824	19.563	ug/l	98
95) Naphthalene	15.36	128	116957	21.551	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	55093	19.981	ug/l	97

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

