

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW021519\
 Data File : VW008676.D
 Acq On : 15 Feb 2019 11:30
 Operator : SY/VA
 Sample : VW0215SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0215SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/18/2019 2:34:30 PM

Quant Time: Feb 16 00:53:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W021319S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 14 04:06:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	403957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	595322	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	521010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	270395	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	196703	46.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.68%	
35) Dibromofluoromethane	7.88	113	188903	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
50) Toluene-d8	10.32	98	732896	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
62) 4-Bromofluorobenzene	12.62	95	262240	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	52351	20.234	ug/l	98
3) Chloromethane	2.21	50	66502	17.830	ug/l	94
4) Vinyl Chloride	2.36	62	91597	18.696	ug/l	98
5) Bromomethane	2.77	94	72620	18.732	ug/l	94
6) Chloroethane	2.92	64	69688	19.116	ug/l	98
7) Trichlorofluoromethane	3.24	101	67955	17.808	ug/l	97
8) Diethyl Ether	3.67	74	39581	17.382	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	83364	20.673	ug/l #	87
10) Methyl Iodide	4.25	142	126585	20.112	ug/l	99
11) Tert butyl alcohol	5.17	59	24086	71.682	ug/l	95
12) 1,1-Dichloroethene	4.03	96	76924	19.506	ug/l	97
13) Acrolein	3.89	56	27251	78.716	ug/l	99
14) Allyl chloride	4.65	41	126310	19.278	ug/l	98
15) Acrylonitrile	5.36	53	79349	82.787	ug/l	98
16) Acetone	4.12	43	77370	80.959	ug/l	99
17) Carbon Disulfide	4.37	76	235472	19.786	ug/l	99
18) Methyl Acetate	4.67	43	33839	15.496	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	122103	17.637	ug/l	93
20) Methylene Chloride	4.91	84	84149	14.908	ug/l	91
21) trans-1,2-Dichloroethene	5.42	96	87772	20.323	ug/l	98
22) Diisopropyl ether	6.31	45	244057	18.507	ug/l	100
23) Vinyl Acetate	6.25	43	716354	83.698	ug/l	99
24) 1,1-Dichloroethane	6.20	63	148472	19.511	ug/l	99
25) 2-Butanone	7.17	43	103264	76.523	ug/l	95
26) 2,2-Dichloropropane	7.15	77	99007	20.827	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	89904	19.251	ug/l	99
28) Bromochloromethane	7.51	49	57902	18.025	ug/l	98
29) Tetrahydrofuran	7.52	42	66888	75.202	ug/l	97
30) Chloroform	7.67	83	147257	19.313	ug/l	97
31) Cyclohexane	7.95	56	149029	19.403	ug/l #	95
32) 1,1,1-Trichloroethane	7.87	97	130424	20.253	ug/l	99
36) 1,1-Dichloropropene	8.07	75	122782	20.528	ug/l	99
37) Ethyl Acetate	7.25	43	43367	15.031	ug/l	97
38) Carbon Tetrachloride	8.06	117	126242	21.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	155615	20.570	ug/l	99
40) Benzene	8.32	78	332133	20.333	ug/l	100
41) Methacrylonitrile	7.48	41	28917	17.814	ug/l	98
42) 1,2-Dichloroethane	8.40	62	95208	18.791	ug/l	98
43) Isopropyl Acetate	8.42	43	93283	16.215	ug/l	96
44) Trichloroethene	9.09	130	94277	20.816	ug/l	95
45) 1,2-Dichloropropane	9.37	63	79026	19.548	ug/l	99
46) Dibromomethane	9.45	93	41821	18.780	ug/l	96
47) Bromodichloromethane	9.64	83	104883	19.597	ug/l	97
48) Methyl methacrylate	9.43	41	42878	16.082	ug/l	96
49) 1,4-Dioxane	9.45	88	12846	361.384	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	231865	78.458	ug/l	99
52) Toluene	10.38	92	213059	20.218	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	103034	18.326	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	121718	19.097	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	55932	18.305	ug/l	98
56) Ethyl methacrylate	10.65	69	65664	16.184	ug/l	99
57) 1,3-Dichloropropane	10.93	76	99229	18.303	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	185695	95.406	ug/l	99
59) 2-Hexanone	10.97	43	161220	77.656	ug/l	99
60) Dibromochloromethane	11.13	129	67447	18.448	ug/l	99
61) 1,2-Dibromoethane	11.23	107	53870	17.906	ug/l	99
64) Tetrachloroethene	10.86	164	80076	20.668	ug/l	96
65) Chlorobenzene	11.66	112	229546	20.441	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	78515	19.737	ug/l	98
67) Ethyl Benzene	11.73	91	414882	20.741	ug/l	98
68) m/p-Xylenes	11.84	106	322120	41.387	ug/l	97
69) o-Xylene	12.16	106	147816	20.092	ug/l	100
70) Styrene	12.18	104	235201	19.573	ug/l	98
71) Bromoform	12.35	173	38957	18.175	ug/l #	97
73) Isopropylbenzene	12.46	105	418880	20.797	ug/l	100
74) N-amyl acetate	12.27	43	86131	15.814	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	61383	17.516	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	52653m	19.720	ug/l	
77) Bromobenzene	12.75	156	93627	20.222	ug/l	97
78) n-propylbenzene	12.80	91	501219	20.944	ug/l	99
79) 2-Chlorotoluene	12.90	91	278515	20.592	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	345818	20.671	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17966	16.608	ug/l	97
82) 4-Chlorotoluene	12.99	91	287477	20.056	ug/l	97
83) tert-Butylbenzene	13.21	119	303465	20.890	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	351353	20.434	ug/l	100
85) sec-Butylbenzene	13.38	105	445733	21.073	ug/l	99
86) p-Isopropyltoluene	13.50	119	394539	20.851	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	189435	20.184	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	188010	20.326	ug/l	98
89) n-Butylbenzene	13.83	91	372262	20.703	ug/l	98
90) Hexachloroethane	14.10	117	68508	20.723	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	164969	19.839	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	10086	16.563	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	119693	20.221	ug/l	99
94) Hexachlorobutadiene	15.24	225	77597	22.521	ug/l	99
95) Naphthalene	15.37	128	187523	17.678	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	101397	19.962	ug/l	100

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

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