

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020119\
 Data File : VW008475.D
 Acq On : 01 Feb 2019 12:19
 Operator : SY/VA
 Sample : VW0201SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0201SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/4/2019 4:32:18 PM

Quant Time: Feb 02 01:32:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	416447	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	623178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	541657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	272944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	186668	45.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.26%	
35) Dibromofluoromethane	7.88	113	197719	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.32	98	767721	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
62) 4-Bromofluorobenzene	12.62	95	272399	48.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	32994	16.070	ug/l	98
3) Chloromethane	2.21	50	52071	15.318	ug/l	99
4) Vinyl Chloride	2.36	62	73700	17.031	ug/l	96
5) Bromomethane	2.79	94	57882	20.738	ug/l	94
6) Chloroethane	2.92	64	61789	23.348	ug/l	94
7) Trichlorofluoromethane	3.25	101	58212	18.730	ug/l	98
8) Diethyl Ether	3.67	74	34277	16.505	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	71878	19.083	ug/l	96
10) Methyl Iodide	4.26	142	111934	18.814	ug/l	99
11) Tert butyl alcohol	5.23	59	20073m	60.940	ug/l	
12) 1,1-Dichloroethene	4.02	96	69649	18.272	ug/l	96
13) Acrolein	3.89	56	23641	84.172	ug/l	98
14) Allyl chloride	4.65	41	116620	16.112	ug/l	97
15) Acrylonitrile	5.37	53	63362	70.655	ug/l	98
16) Acetone	4.14	43	66975	72.899	ug/l	96
17) Carbon Disulfide	4.37	76	209436	17.203	ug/l	98
18) Methyl Acetate	4.67	43	32487	13.257	ug/l	91
19) Methyl tert-butyl Ether	5.42	73	103816	16.461	ug/l	96
20) Methylene Chloride	4.90	84	75019	17.716	ug/l	96
21) trans-1,2-Dichloroethene	5.41	96	76112	17.761	ug/l	99
22) Diisopropyl ether	6.31	45	216272	15.765	ug/l	96
23) Vinyl Acetate	6.25	43	596788	73.675	ug/l	99
24) 1,1-Dichloroethane	6.20	63	130812	16.846	ug/l	98
25) 2-Butanone	7.18	43	88302	69.196	ug/l	100
26) 2,2-Dichloropropane	7.16	77	97673	18.609	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	81851	17.525	ug/l	98
28) Bromochloromethane	7.51	49	60109	16.854	ug/l	91
29) Tetrahydrofuran	7.54	42	51608	63.818	ug/l	94
30) Chloroform	7.67	83	132649	17.368	ug/l	97
31) Cyclohexane	7.95	56	136044	16.944	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	119870	18.171	ug/l	98
36) 1,1-Dichloropropene	8.07	75	109896	18.669	ug/l	99
37) Ethyl Acetate	7.25	43	36195	13.898	ug/l #	95
38) Carbon Tetrachloride	8.06	117	116265	19.627	ug/l	96

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Quant Time: Feb 02 01:32:22 2019
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	144463	18.681	ug/l	95
40) Benzene	8.32	78	295796	18.109	ug/l	98
41) Methacrylonitrile	7.48	41	23183	15.033	ug/l	95
42) 1,2-Dichloroethane	8.40	62	82756	17.482	ug/l	99
43) Isopropyl Acetate	8.42	43	79811	14.751	ug/l	96
44) Trichloroethene	9.09	130	84939	19.122	ug/l	97
45) 1,2-Dichloropropane	9.37	63	71734	17.613	ug/l	98
46) Dibromomethane	9.46	93	35836	17.107	ug/l	97
47) Bromodichloromethane	9.64	83	96707	17.454	ug/l	99
48) Methyl methacrylate	9.43	41	37462	14.160	ug/l	96
49) 1,4-Dioxane	9.48	88	10232	288.968	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	187168	70.020	ug/l	98
52) Toluene	10.38	92	195062	18.090	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	99377	16.855	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	115679	17.289	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	49870	17.163	ug/l	97
56) Ethyl methacrylate	10.65	69	61401	15.081	ug/l	96
57) 1,3-Dichloropropane	10.93	76	88552	17.011	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	166824	84.332	ug/l	97
59) 2-Hexanone	10.97	43	133059	70.511	ug/l	99
60) Dibromochloromethane	11.13	129	64533	17.283	ug/l	99
61) 1,2-Dibromoethane	11.23	107	47816	16.597	ug/l	99
64) Tetrachloroethene	10.86	164	74233	20.242	ug/l	98
65) Chlorobenzene	11.66	112	211628	19.140	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	73788	18.652	ug/l	98
67) Ethyl Benzene	11.73	91	379448	18.669	ug/l	98
68) m/p-Xylenes	11.84	106	294103	37.295	ug/l	97
69) o-Xylene	12.16	106	138502	18.485	ug/l	97
70) Styrene	12.18	104	219719	17.753	ug/l	98
71) Bromoform	12.35	173	36364	16.337	ug/l #	99
73) Isopropylbenzene	12.46	105	388708	19.103	ug/l	99
74) N-amyl acetate	12.27	43	75985	14.495	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	52810	16.393	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	37976m	16.003	ug/l	
77) Bromobenzene	12.75	156	84619	19.041	ug/l	92
78) n-propylbenzene	12.80	91	457179	18.706	ug/l	98
79) 2-Chlorotoluene	12.89	91	253273	18.365	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	316520	18.610	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	17897	14.896	ug/l	94
82) 4-Chlorotoluene	12.99	91	262784	17.897	ug/l	97
83) tert-Butylbenzene	13.21	119	282225	18.647	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	321700	18.609	ug/l	98
85) sec-Butylbenzene	13.38	105	408659	18.906	ug/l	99
86) p-Isopropyltoluene	13.50	119	360596	19.045	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	170553	19.003	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	168609	18.904	ug/l	99
89) n-Butylbenzene	13.83	91	342566	18.427	ug/l	99
90) Hexachloroethane	14.10	117	70154	18.947	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	146510	18.449	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9339	15.278	ug/l	97

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QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	109529	19.328	ug/l	99
94) Hexachlorobutadiene	15.24	225	70482	20.638	ug/l	99
95) Naphthalene	15.37	128	172545	17.341	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	92401	19.222	ug/l	99

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

