

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW060619\
 Data File : VW010703.D
 Acq On : 06 Jun 2019 12:10
 Operator : SY/VA
 Sample : VW0606SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0606SBS01

Manual Integrations
 APPROVED

MMDadoda
 6/7/2019 11:24:44 AM

Quant Time: Jun 07 08:12:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	280700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	461385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	183473	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	142977	43.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.42%	
35) Dibromofluoromethane	7.88	113	112827	45.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.10%	
50) Toluene-d8	10.32	98	483250	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
62) 4-Bromofluorobenzene	12.62	95	170634	42.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	50184	19.347	ug/l	99
3) Chloromethane	2.21	50	70826	18.558	ug/l	98
4) Vinyl Chloride	2.35	62	66822	18.951	ug/l	100
5) Bromomethane	2.75	94	38547	19.908	ug/l	99
6) Chloroethane	2.91	64	40136	18.963	ug/l	100
7) Trichlorofluoromethane	3.25	101	92986	20.315	ug/l	99
8) Diethyl Ether	3.68	74	28956	17.702	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	55489	19.719	ug/l	99
10) Methyl Iodide	4.27	142	40399	17.397	ug/l	98
11) Tert butyl alcohol	5.18	59	29082	107.896	ug/l #	94
12) 1,1-Dichloroethene	4.03	96	52729	19.424	ug/l	94
13) Acrolein	3.90	56	8950	81.259	ug/l	99
14) Allyl chloride	4.67	41	119685	19.996	ug/l	98
15) Acrylonitrile	5.37	53	65426	82.333	ug/l	100
16) Acetone	4.12	43	71900	81.104	ug/l	99
17) Carbon Disulfide	4.37	76	165904	19.253	ug/l	100
18) Methyl Acetate	4.67	43	33381	17.492	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	139073	17.763	ug/l	97
20) Methylene Chloride	4.91	84	57394	18.455	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	60841	19.743	ug/l	98
22) Diisopropyl ether	6.31	45	231435	19.314	ug/l	100
23) Vinyl Acetate	6.26	43	653207	90.326	ug/l	100
24) 1,1-Dichloroethane	6.21	63	119638	19.922	ug/l	98
25) 2-Butanone	7.17	43	102329	83.244	ug/l	98
26) 2,2-Dichloropropane	7.16	77	105323	21.553	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	66009	19.464	ug/l	96
28) Bromochloromethane	7.51	49	49067	18.309	ug/l	99
29) Tetrahydrofuran	7.53	42	62179	80.417	ug/l	99
30) Chloroform	7.68	83	108184	19.696	ug/l	99
31) Cyclohexane	7.95	56	130351	19.527	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	97719	20.366	ug/l	98
36) 1,1-Dichloropropene	8.08	75	94545	20.019	ug/l	100
37) Ethyl Acetate	7.25	43	44409	16.969	ug/l	100
38) Carbon Tetrachloride	8.07	117	82450	20.223	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	118638	19.761	ug/l	97
40) Benzene	8.32	78	254007	19.715	ug/l	99
41) Methacrylonitrile	7.48	41	25704	16.524	ug/l	98
42) 1,2-Dichloroethane	8.40	62	76843	18.792	ug/l	99
43) Isopropyl Acetate	8.43	43	84413	16.695	ug/l	99
44) Trichloroethene	9.09	130	62424	19.641	ug/l	100
45) 1,2-Dichloropropane	9.37	63	65146	19.101	ug/l	99
46) Dibromomethane	9.46	93	28866	18.222	ug/l	99
47) Bromodichloromethane	9.64	83	78583	19.137	ug/l	98
48) Methyl methacrylate	9.44	41	40350	16.552	ug/l	99
49) 1,4-Dioxane	9.45	88	7076	285.701	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	211004	81.689	ug/l	99
52) Toluene	10.39	92	156121	19.694	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	79918	18.375	ug/l	94
54) cis-1,3-Dichloropropene	10.07	75	98031	19.154	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	40462	17.730	ug/l	97
56) Ethyl methacrylate	10.65	69	59296	16.886	ug/l	97
57) 1,3-Dichloropropane	10.93	76	77615	18.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	163482	88.884	ug/l	100
59) 2-Hexanone	10.97	43	146106	78.266	ug/l	98
60) Dibromochloromethane	11.13	129	46442	18.358	ug/l	99
61) 1,2-Dibromoethane	11.24	107	37896	17.527	ug/l	99
64) Tetrachloroethene	10.86	164	50536	19.167	ug/l	94
65) Chlorobenzene	11.66	112	152751	19.561	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	52720	19.502	ug/l	99
67) Ethyl Benzene	11.73	91	300626	20.031	ug/l	98
68) m/p-Xylenes	11.84	106	214210	39.872	ug/l	100
69) o-Xylene	12.16	106	100159	19.657	ug/l	98
70) Styrene	12.18	104	171418	19.366	ug/l	99
71) Bromoform	12.35	173	24443	17.483	ug/l #	99
73) Isopropylbenzene	12.46	105	285122	20.680	ug/l	99
74) N-amyl acetate	12.27	43	75439	16.930	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46093	17.561	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	34081m	17.689	ug/l	
77) Bromobenzene	12.75	156	58959	19.591	ug/l	98
78) n-propylbenzene	12.80	91	342512	20.602	ug/l	100
79) 2-Chlorotoluene	12.90	91	192799	20.299	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	230518	20.427	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14285	17.040	ug/l	93
82) 4-Chlorotoluene	12.99	91	198190	20.220	ug/l	100
83) tert-Butylbenzene	13.21	119	194922	20.352	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	231069	20.348	ug/l	99
85) sec-Butylbenzene	13.38	105	283885	20.358	ug/l	99
86) p-Isopropyltoluene	13.50	119	253014	20.290	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	114669	19.758	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	112788	19.602	ug/l	99
89) n-Butylbenzene	13.83	91	253890	20.406	ug/l	100
90) Hexachloroethane	14.10	117	45299	20.285	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	99795	19.120	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7548	16.746	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	69093	18.864	ug/l	99
94) Hexachlorobutadiene	15.24	225	45255	19.687	ug/l	100
95) Naphthalene	15.37	128	111818	16.803	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	56704	18.204	ug/l	98

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

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