

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090719\
 Data File : VW012720.D
 Acq On : 07 Sep 2019 15:37
 Operator : SY/VA
 Sample : VW0907SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0907SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:02:59 PM

Quant Time: Sep 08 05:26:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090719S.M
 Quant Title : SW846 8260
 QLast Update : Sun Sep 08 05:04:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	267319	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	373451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	360808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	183148	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	161312	54.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.02%	
35) Dibromofluoromethane	7.88	113	126341	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
50) Toluene-d8	10.32	98	458118	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
62) 4-Bromofluorobenzene	12.62	95	178254	56.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	31984	22.070	ug/l	99
3) Chloromethane	2.21	50	36480	20.713	ug/l	94
4) Vinyl Chloride	2.35	62	45360	21.005	ug/l	97
5) Bromomethane	2.77	94	24368	20.781	ug/l	92
6) Chloroethane	2.91	64	25285	19.622	ug/l	94
7) Trichlorofluoromethane	3.24	101	27056	18.156	ug/l	96
8) Diethyl Ether	3.68	74	26223	20.937	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	49147	21.016	ug/l	98
10) Methyl Iodide	4.26	142	61949	21.043	ug/l	99
11) Tert butyl alcohol	5.19	59	19109	83.619	ug/l #	82
12) 1,1-Dichloroethene	4.03	96	46284	20.966	ug/l	96
13) Acrolein	3.90	56	21540	88.822	ug/l	99
14) Allyl chloride	4.67	41	91464	20.028	ug/l	98
15) Acrylonitrile	5.36	53	67159	91.805	ug/l	99
16) Acetone	4.14	43	65495	80.434	ug/l	93
17) Carbon Disulfide	4.38	76	100930	21.539	ug/l	99
18) Methyl Acetate	4.67	43	35563	18.615	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	88310	20.171	ug/l	98
20) Methylene Chloride	4.91	84	51913	20.378	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	47557	21.113	ug/l	93
22) Diisopropyl ether	6.31	45	185857	20.520	ug/l	98
23) Vinyl Acetate	6.25	43	560337	97.618	ug/l	99
24) 1,1-Dichloroethane	6.21	63	100413	20.590	ug/l	99
25) 2-Butanone	7.17	43	87115	86.620	ug/l	97
26) 2,2-Dichloropropane	7.16	77	57298	18.602	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	51388	19.675	ug/l	99
28) Bromochloromethane	7.51	49	39526	17.651	ug/l	93
29) Tetrahydrofuran	7.53	42	57862	87.995	ug/l	100
30) Chloroform	7.67	83	95846	19.830	ug/l	98
31) Cyclohexane	7.95	56	87413	19.910	ug/l	92
32) 1,1,1-Trichloroethane	7.87	97	79481	20.287	ug/l	98
36) 1,1-Dichloropropene	8.08	75	71553	21.564	ug/l	99
37) Ethyl Acetate	7.26	43	40297	19.051	ug/l	98
38) Carbon Tetrachloride	8.07	117	69045	21.109	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	80596	21.626	ug/l	98
40) Benzene	8.32	78	207122	22.498	ug/l	99
41) Methacrylonitrile	7.48	41	23758	19.093	ug/l	93
42) 1,2-Dichloroethane	8.40	62	69112	21.330	ug/l	99
43) Isopropyl Acetate	8.42	43	78971	19.706	ug/l	97
44) Trichloroethene	9.09	130	51230	21.587	ug/l	94
45) 1,2-Dichloropropane	9.37	63	53766	21.056	ug/l	99
46) Dibromomethane	9.46	93	25977	21.484	ug/l	100
47) Bromodichloromethane	9.64	83	71479	21.487	ug/l	96
48) Methyl methacrylate	9.43	41	37148	19.397	ug/l	99
49) 1,4-Dioxane	9.46	88	8716	364.929	ug/l #	75
51) 4-Methyl-2-Pentanone	10.21	43	179547	85.382	ug/l	100
52) Toluene	10.38	92	113652	19.779	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	64368	18.817	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	74062	19.086	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	35194	19.442	ug/l	97
56) Ethyl methacrylate	10.65	69	47868	18.065	ug/l	100
57) 1,3-Dichloropropane	10.93	76	68043	20.318	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	129485	92.046	ug/l	96
59) 2-Hexanone	10.97	43	137777	89.680	ug/l	99
60) Dibromochloromethane	11.13	129	43645	20.500	ug/l	98
61) 1,2-Dibromoethane	11.23	107	33925	20.441	ug/l	98
64) Tetrachloroethene	10.86	164	40198	18.361	ug/l	97
65) Chlorobenzene	11.66	112	135101	19.811	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	50802	20.004	ug/l	98
67) Ethyl Benzene	11.73	91	255476	19.967	ug/l	99
68) m/p-Xylenes	11.83	106	187429	40.584	ug/l	99
69) o-Xylene	12.16	106	88976	20.421	ug/l	97
70) Styrene	12.18	104	153577	19.947	ug/l	99
71) Bromoform	12.35	173	26490	18.775	ug/l	98
73) Isopropylbenzene	12.46	105	256799	19.549	ug/l	99
74) N-amyl acetate	12.27	43	74576	17.886	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	47912	18.162	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	32171m	17.178	ug/l	
77) Bromobenzene	12.74	156	55163	18.536	ug/l	99
78) n-propylbenzene	12.80	91	301994	19.222	ug/l	100
79) 2-Chlorotoluene	12.89	91	170218	18.873	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	193263	17.460	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	15118	17.074	ug/l	98
82) 4-Chlorotoluene	12.99	91	167555	17.564	ug/l	99
83) tert-Butylbenzene	13.21	119	185767	18.981	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214199	19.205	ug/l	99
85) sec-Butylbenzene	13.38	105	256067	18.855	ug/l	99
86) p-Isopropyltoluene	13.49	119	236320	19.050	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	113085	19.332	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	110717	19.021	ug/l	99
89) n-Butylbenzene	13.82	91	226667	18.821	ug/l	100
90) Hexachloroethane	14.09	117	41549	19.186	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	100050	19.003	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8012	16.596	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	71063	19.386	ug/l	98
94) Hexachlorobutadiene	15.24	225	49715	19.594	ug/l	99
95) Naphthalene	15.36	128	124630	19.219	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	62189	19.220	ug/l	98

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

