

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082219\
 Data File : VW012101.D
 Acq On : 22 Aug 2019 11:06
 Operator : SY/VA
 Sample : VW0822SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0822SBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/23/2019 10:54:58 AM

Quant Time: Aug 23 08:12:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	379257	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	333051	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	158898	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	136130	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.88	113	110937	52.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.28%	
50) Toluene-d8	10.32	98	444999	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
62) 4-Bromofluorobenzene	12.62	95	158998	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27855	21.208	ug/l	93
3) Chloromethane	2.21	50	46188	20.280	ug/l	99
4) Vinyl Chloride	2.36	62	57031	20.799	ug/l	99
5) Bromomethane	2.76	94	29128	19.192	ug/l	96
6) Chloroethane	2.92	64	32570	20.795	ug/l	98
7) Trichlorofluoromethane	3.25	101	27976	22.830	ug/l	99
8) Diethyl Ether	3.68	74	27691	19.930	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	50020	21.518	ug/l	99
10) Methyl Iodide	4.27	142	66067	20.111	ug/l	99
11) Tert butyl alcohol	5.17	59	18548	80.805	ug/l	97
12) 1,1-Dichloroethene	4.04	96	49870	20.318	ug/l	99
13) Acrolein	3.90	56	10417	53.647	ug/l	99
14) Allyl chloride	4.67	41	105094	20.132	ug/l	99
15) Acrylonitrile	5.36	53	69999	100.925	ug/l	98
16) Acetone	4.12	43	67277	78.154	ug/l	100
17) Carbon Disulfide	4.38	76	137428	17.890	ug/l	98
18) Methyl Acetate	4.67	43	40519	20.953	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	82714	21.237	ug/l	95
20) Methylene Chloride	4.91	84	59233	19.952	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	54152	20.464	ug/l	97
22) Diisopropyl ether	6.31	45	207656	21.099	ug/l	98
23) Vinyl Acetate	6.25	43	615035	99.449	ug/l	100
24) 1,1-Dichloroethane	6.21	63	111232	21.102	ug/l	100
25) 2-Butanone	7.17	43	99576	88.401	ug/l	99
26) 2,2-Dichloropropane	7.16	77	59942	18.491	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	59081	20.287	ug/l	99
28) Bromochloromethane	7.51	49	50204	21.458	ug/l	100
29) Tetrahydrofuran	7.53	42	64729	100.531	ug/l	98
30) Chloroform	7.67	83	101181	20.806	ug/l	100
31) Cyclohexane	7.95	56	101650	20.089	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	80066	21.619	ug/l	99
36) 1,1-Dichloropropene	8.08	75	83125	21.079	ug/l	100
37) Ethyl Acetate	7.25	43	45291	19.962	ug/l	98
38) Carbon Tetrachloride	8.07	117	71713	21.242	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	89767	20.672	ug/l	98
40) Benzene	8.32	78	230049	20.826	ug/l	98
41) Methacrylonitrile	7.48	41	26559	19.583	ug/l	99
42) 1,2-Dichloroethane	8.40	62	72522	20.970	ug/l	99
43) Isopropyl Acetate	8.43	43	84519	20.256	ug/l	99
44) Trichloroethene	9.09	130	55130	20.765	ug/l	96
45) 1,2-Dichloropropane	9.37	63	62461	21.133	ug/l	100
46) Dibromomethane	9.46	93	27744	20.567	ug/l	100
47) Bromodichloromethane	9.65	83	72804	20.574	ug/l	98
48) Methyl methacrylate	9.43	41	38418	19.167	ug/l	95
49) 1,4-Dioxane	9.45	88	8331	426.520	ug/l	96
51) 4-Methyl-2-Pentanone	10.21	43	215740	99.403	ug/l	100
52) Toluene	10.39	92	139564	20.922	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72789	19.692	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	88767	20.197	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	39802	20.795	ug/l	98
56) Ethyl methacrylate	10.65	69	55116	19.679	ug/l	97
57) 1,3-Dichloropropane	10.93	76	75092	20.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	149227	117.346	ug/l	100
59) 2-Hexanone	10.97	43	146725	95.747	ug/l	100
60) Dibromochloromethane	11.13	129	42165	19.846	ug/l	96
61) 1,2-Dibromoethane	11.23	107	36259	20.018	ug/l	100
64) Tetrachloroethene	10.86	164	45220	20.853	ug/l	95
65) Chlorobenzene	11.66	112	138065	20.619	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	48673	20.869	ug/l	100
67) Ethyl Benzene	11.73	91	267904	21.008	ug/l	99
68) m/p-Xylenes	11.84	106	193893	41.808	ug/l	99
69) o-Xylene	12.16	106	89842	20.847	ug/l	99
70) Styrene	12.18	104	155523	20.872	ug/l	99
71) Bromoform	12.35	173	23778	19.995	ug/l #	98
73) Isopropylbenzene	12.46	105	251335	21.202	ug/l	100
74) N-amyl acetate	12.27	43	73880	19.907	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	46586	20.893	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	32157m	19.126	ug/l	
77) Bromobenzene	12.75	156	55623	21.229	ug/l	100
78) n-propylbenzene	12.80	91	310312	21.510	ug/l	100
79) 2-Chlorotoluene	12.89	91	176020	21.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	213352	21.471	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	14003	19.194	ug/l	96
82) 4-Chlorotoluene	12.99	91	186460	21.383	ug/l	100
83) tert-Butylbenzene	13.21	119	178637	21.498	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	214737	21.453	ug/l	99
85) sec-Butylbenzene	13.38	105	258482	21.801	ug/l	100
86) p-Isopropyltoluene	13.50	119	230041	21.384	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	107128	20.852	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	106079	20.757	ug/l	99
89) n-Butylbenzene	13.82	91	224404	20.903	ug/l	99
90) Hexachloroethane	14.09	117	40067	21.063	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	95992	21.126	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7431	19.543	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62111	19.395	ug/l	97
94) Hexachlorobutadiene	15.24	225	41962	21.012	ug/l	99
95) Naphthalene	15.36	128	108893	18.708	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	56173	20.011	ug/l	99

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

