

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012586.D
 Acq On : 04 Sep 2019 11:05
 Operator : SY/VA
 Sample : VW0904SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0904SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2019 12:46:44 AM

Quant Time: Sep 04 15:07:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	226889	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	348061	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	301504	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147318	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	137573	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
35) Dibromofluoromethane	7.88	113	107783	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
50) Toluene-d8	10.32	98	428352	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
62) 4-Bromofluorobenzene	12.62	95	153086	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	24452	17.503	ug/l	92
3) Chloromethane	2.21	50	36265	16.755	ug/l	98
4) Vinyl Chloride	2.35	62	44842	16.927	ug/l	98
5) Bromomethane	2.78	94	22788	16.985	ug/l	98
6) Chloroethane	2.92	64	26065	17.441	ug/l	96
7) Trichlorofluoromethane	3.25	101	25457	19.137	ug/l	95
8) Diethyl Ether	3.68	74	21796	17.262	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	41176	18.211	ug/l	97
10) Methyl Iodide	4.27	142	52774	17.250	ug/l	98
11) Tert butyl alcohol	5.21	59	14458	89.075	ug/l	97
12) 1,1-Dichloroethene	4.04	96	39270	17.255	ug/l	93
13) Acrolein	3.89	56	9057	59.278	ug/l	98
14) Allyl chloride	4.67	41	81795	16.812	ug/l	95
15) Acrylonitrile	5.37	53	54864	87.665	ug/l	99
16) Acetone	4.13	43	54860	79.571	ug/l	98
17) Carbon Disulfide	4.38	76	96541	14.036	ug/l	99
18) Methyl Acetate	4.67	43	30818	18.047	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	72211	19.621	ug/l	98
20) Methylene Chloride	4.91	84	48362	18.555	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	42639	17.472	ug/l	94
22) Diisopropyl ether	6.31	45	165440	18.345	ug/l	93
23) Vinyl Acetate	6.26	43	488164	87.957	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91421	18.618	ug/l	98
25) 2-Butanone	7.18	43	86209	92.017	ug/l	100
26) 2,2-Dichloropropane	7.16	77	60512	21.772	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	52093	19.979	ug/l	98
28) Bromochloromethane	7.51	49	45141	21.092	ug/l	95
29) Tetrahydrofuran	7.53	42	53173	94.599	ug/l	100
30) Chloroform	7.68	83	96453	21.470	ug/l	95
31) Cyclohexane	7.95	56	86430	17.791	ug/l #	96
32) 1,1,1-Trichloroethane	7.87	97	78147	21.989	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74784	20.792	ug/l	99
37) Ethyl Acetate	7.25	43	39294	19.936	ug/l	99
38) Carbon Tetrachloride	8.07	117	69917	22.459	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	78195	19.352	ug/l	96
40) Benzene	8.32	78	202011	20.569	ug/l	98
41) Methacrylonitrile	7.48	41	24283	20.962	ug/l	98
42) 1,2-Dichloroethane	8.40	62	68615	22.291	ug/l	99
43) Isopropyl Acetate	8.42	43	74287	20.348	ug/l	98
44) Trichloroethene	9.09	130	50535	21.166	ug/l	99
45) 1,2-Dichloropropane	9.37	63	55005	20.810	ug/l	97
46) Dibromomethane	9.46	93	24599	20.917	ug/l	97
47) Bromodichloromethane	9.64	83	68760	21.968	ug/l	99
48) Methyl methacrylate	9.43	41	34762	20.005	ug/l	96
49) 1,4-Dioxane	9.47	88	6484	360.144	ug/l #	77
51) 4-Methyl-2-Pentanone	10.21	43	186315	100.333	ug/l	99
52) Toluene	10.38	92	124928	21.174	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	67660	21.222	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	79814	20.733	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	35911	21.582	ug/l	99
56) Ethyl methacrylate	10.65	69	49422	20.408	ug/l	99
57) 1,3-Dichloropropane	10.93	76	66883	21.270	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	131268	105.615	ug/l	99
59) 2-Hexanone	10.97	43	129243	98.364	ug/l	100
60) Dibromochloromethane	11.13	129	40275	21.731	ug/l	98
61) 1,2-Dibromoethane	11.23	107	32648	21.061	ug/l	99
64) Tetrachloroethene	10.86	164	42444	21.713	ug/l	98
65) Chlorobenzene	11.66	112	126475	21.303	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47165	22.773	ug/l	99
67) Ethyl Benzene	11.73	91	246290	21.536	ug/l	99
68) m/p-Xylenes	11.84	106	177071	42.983	ug/l	100
69) o-Xylene	12.16	106	81676	21.422	ug/l	98
70) Styrene	12.18	104	144870	21.952	ug/l	99
71) Bromoform	12.35	173	22734	22.031	ug/l #	100
73) Isopropylbenzene	12.46	105	237118	21.481	ug/l	98
74) N-amyl acetate	12.27	43	64392	19.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	41771	20.641	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	29954m	20.877	ug/l	
77) Bromobenzene	12.74	156	52133	21.830	ug/l	95
78) n-propylbenzene	12.80	91	285951	21.219	ug/l	99
79) 2-Chlorotoluene	12.89	91	164996	21.565	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	202947	22.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13608	20.795	ug/l	100
82) 4-Chlorotoluene	12.99	91	173987	21.718	ug/l	100
83) tert-Butylbenzene	13.21	119	171915	22.002	ug/l	100
84) 1,2,4-Trimethylbenzene	13.25	105	202230	21.826	ug/l	99
85) sec-Butylbenzene	13.38	105	244730	21.862	ug/l	99
86) p-Isopropyltoluene	13.50	119	218616	21.868	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	102265	21.893	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	101153	21.809	ug/l	99
89) n-Butylbenzene	13.82	91	214658	21.592	ug/l	99
90) Hexachloroethane	14.09	117	37542	21.404	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	91328	22.287	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7055	20.679	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	62284	21.995	ug/l	99
94) Hexachlorobutadiene	15.24	225	43739	23.392	ug/l	98
95) Naphthalene	15.36	128	99918	20.748	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	52586	21.284	ug/l	97

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

