

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011019\
 Data File : VW008162.D
 Acq On : 10 Jan 2019 21:13
 Operator : SY/AP
 Sample : K1088-09MSD
 Misc : 5.07G/5ML/MSVOA W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-07(15-20)MSD

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 2:27:50 PM

Quant Time: Jan 11 06:51:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	52160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	98066	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	80750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	27062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	40173	68.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.06%	
35) Dibromofluoromethane	7.88	113	36126	63.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.32%	
50) Toluene-d8	10.32	98	122521	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.62	95	38053	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	19053	44.758	ug/l	99
3) Chloromethane	2.21	50	27216	49.280	ug/l	98
4) Vinyl Chloride	2.36	62	35320	49.001	ug/l	100
5) Bromomethane	2.78	94	24836	45.996	ug/l	96
6) Chloroethane	2.93	64	23767	43.819	ug/l	97
7) Trichlorofluoromethane	3.26	101	28382	48.434	ug/l	89
8) Diethyl Ether	3.68	74	21931	66.202	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	22630	38.896	ug/l	96
10) Methyl Iodide	4.26	142	45302	53.426	ug/l	99
11) Tert butyl alcohol	5.18	59	13818	401.156	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	28120	49.229	ug/l	90
13) Acrolein	3.89	56	11084	284.200	ug/l	97
14) Allyl chloride	4.67	41	51580	49.735	ug/l	97
15) Acrylonitrile	5.37	53	45464	360.475	ug/l	99
16) Acetone	4.12	43	45983	453.599	ug/l	95
17) Carbon Disulfide	4.37	76	81315	45.570	ug/l	100
18) Methyl Acetate	4.67	43	33083	89.289	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	69221	74.541	ug/l	95
20) Methylene Chloride	4.91	84	40972	73.219	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	32692	52.666	ug/l	96
22) Diisopropyl ether	6.31	45	131001	66.232	ug/l	98
23) Vinyl Acetate	6.25	43	302934	291.621	ug/l	99
24) 1,1-Dichloroethane	6.22	63	65613	56.934	ug/l	99
25) 2-Butanone	7.17	43	59791	366.571	ug/l	100
26) 2,2-Dichloropropane	7.17	77	39955	51.168	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	39300	58.028	ug/l	95
28) Bromochloromethane	7.51	49	28331	62.152	ug/l	100
29) Tetrahydrofuran	7.52	42	39903	366.236	ug/l	97
30) Chloroform	7.67	83	65576	59.780	ug/l	100
31) Cyclohexane	7.95	56	28579	23.165	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	46886	49.122	ug/l	99
36) 1,1-Dichloropropene	8.08	75	41053	40.639	ug/l	100
37) Ethyl Acetate	7.25	43	25949	64.118	ug/l	98
38) Carbon Tetrachloride	8.07	117	36646	39.635	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18740	14.631	ug/l	96
40) Benzene	8.32	78	140735	51.365	ug/l	97
41) Methacrylonitrile	7.48	41	13275	51.926	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	44787	58.119	ug/l	96
43) Isopropyl Acetate	8.42	43	53220	65.771	ug/l	97
44) Trichloroethene	9.09	130	32632	46.526	ug/l	96
45) 1,2-Dichloropropane	9.37	63	37316	54.927	ug/l	97
46) Dibromomethane	9.46	93	19871	59.557	ug/l	95
47) Bromodichloromethane	9.65	83	47028	55.511	ug/l	98
48) Methyl methacrylate	9.43	41	25333	66.349	ug/l	95
49) 1,4-Dioxane	9.45	88	6605	1230.985	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	131209	334.989	ug/l	98
52) Toluene	10.39	92	78347	44.775	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	47611	54.028	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	53995	51.671	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	28540	60.926	ug/l	96
56) Ethyl methacrylate	10.65	69	39143	67.474	ug/l	95
57) 1,3-Dichloropropane	10.93	76	50819	59.319	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	95753	319.539	ug/l	99
59) 2-Hexanone	10.97	43	92946	350.907	ug/l	98
60) Dibromochloromethane	11.13	129	30364	59.029	ug/l	100
61) 1,2-Dibromoethane	11.24	107	27021	60.792	ug/l	99
64) Tetrachloroethene	10.87	164	22277	42.391	ug/l	96
65) Chlorobenzene	11.66	112	83408	48.755	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	30387	54.611	ug/l	98
67) Ethyl Benzene	11.73	91	120224	38.408	ug/l	99
68) m/p-Xylenes	11.84	106	91974	76.981	ug/l	97
69) o-Xylene	12.17	106	48465	43.804	ug/l	96
70) Styrene	12.18	104	81042	46.765	ug/l	98
71) Bromoform	12.35	173	15616	62.708	ug/l #	96
73) Isopropylbenzene	12.47	105	104894	49.371	ug/l	93
74) N-amyl acetate	12.27	43	43705	92.889	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	32228	94.767	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	22538m	91.358	ug/l	
77) Bromobenzene	12.75	156	29667	66.084	ug/l	99
78) n-propylbenzene	12.81	91	90219	34.656	ug/l	98
79) 2-Chlorotoluene	12.90	91	65809	45.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	65240	37.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	8492	80.159	ug/l	97
82) 4-Chlorotoluene	12.99	91	72180	47.187	ug/l	99
83) tert-Butylbenzene	13.21	119	41817	27.073	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	75295	41.814	ug/l	98
85) sec-Butylbenzene	13.39	105	51295	22.671	ug/l	99
86) p-Isopropyltoluene	13.50	119	193716	99.145	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	41435	45.500	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	43032	47.098	ug/l	98
89) n-Butylbenzene	13.83	91	34337	17.943	ug/l	97
90) Hexachloroethane	14.10	117	8686	26.320	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	41201	51.480	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4973	90.866	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	12587	23.688	ug/l	92
94) Hexachlorobutadiene	15.24	225	2324	8.172	ug/l	91
95) Naphthalene	15.37	128	54553	54.984	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	11751	25.942	ug/l	94

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

