

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
 Data File : VW007812.D
 Acq On : 21 Dec 2018 22:52
 Operator : SY/AP
 Sample : J6392-19MSD
 Misc : 5.18G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 KY001SB106-121218-(8-10)MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:59:29 AM

Quant Time: Dec 22 01:45:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 06:30:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	67538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	114335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	103750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	42096	56.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.74%	
35) Dibromofluoromethane	7.88	113	36267	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.32	98	134955	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.62	95	52560	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27071	45.088	ug/l	99
3) Chloromethane	2.22	50	23699	64.280	ug/l	96
4) Vinyl Chloride	2.37	62	27585	58.777	ug/l	96
5) Bromomethane	2.78	94	18718	57.262	ug/l	99
6) Chloroethane	2.92	64	15786	62.872	ug/l	95
7) Trichlorofluoromethane	3.25	101	20772	42.513	ug/l	97
8) Diethyl Ether	3.68	74	17845	59.627	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	4.05	101	32617	45.327	ug/l	98
10) Methyl Iodide	4.28	142	54076	47.254	ug/l	95
11) Tert butyl alcohol	5.18	59	16596	332.349	ug/l	99
12) 1,1-Dichloroethene	4.04	96	32083	48.148	ug/l	97
13) Acrolein	3.89	56	8287	207.557	ug/l	95
14) Allyl chloride	4.66	41	43299	49.551	ug/l	95
15) Acrylonitrile	5.37	53	41835	327.704	ug/l	99
16) Acetone	4.12	43	45491	328.175	ug/l	98
17) Carbon Disulfide	4.38	76	91110	44.185	ug/l	98
18) Methyl Acetate	4.67	43	28187	85.502	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	60750	63.505	ug/l #	85
20) Methylene Chloride	4.91	84	39323	57.695	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	35403	48.309	ug/l	91
22) Diisopropyl ether	6.31	45	91614	55.992	ug/l	99
23) Vinyl Acetate	6.25	43	259222	266.658	ug/l	99
24) 1,1-Dichloroethane	6.21	63	61317	50.941	ug/l	98
25) 2-Butanone	7.17	43	54830	337.701	ug/l	97
26) 2,2-Dichloropropane	7.16	77	38106	43.262	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	40193	51.478	ug/l	97
28) Bromochloromethane	7.51	49	24353	59.340	ug/l	94
29) Tetrahydrofuran	7.53	42	34650	357.782	ug/l	98
30) Chloroform	7.67	83	67897	49.844	ug/l	100
31) Cyclohexane	7.95	56	53100	48.188	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	56326	45.402	ug/l	100
36) 1,1-Dichloropropene	8.08	75	51267	46.457	ug/l	99
37) Ethyl Acetate	7.25	43	24853	65.257	ug/l	99
38) Carbon Tetrachloride	8.07	117	53251	40.974	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	64163	46.791	ug/l	99
40) Benzene	8.32	78	142448	48.373	ug/l	99
41) Methacrylonitrile	7.49	41	14412	66.652	ug/l	93
42) 1,2-Dichloroethane	8.40	62	49651	50.312	ug/l	97
43) Isopropyl Acetate	8.43	43	51437	67.413	ug/l	94
44) Trichloroethene	9.09	130	40485	45.461	ug/l	94
45) 1,2-Dichloropropane	9.37	63	33138	50.715	ug/l	97
46) Dibromomethane	9.46	93	21090	52.433	ug/l	97
47) Bromodichloromethane	9.65	83	49546	46.856	ug/l	100
48) Methyl methacrylate	9.43	41	23274	61.109	ug/l	98
49) 1,4-Dioxane	9.45	88	8381	1314.234	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	119063	330.184	ug/l	100
52) Toluene	10.39	92	103446	52.358	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	53450	50.819	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	57255	49.283	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	31529	56.860	ug/l	98
56) Ethyl methacrylate	10.65	69	39861	60.843	ug/l	96
57) 1,3-Dichloropropane	10.93	76	50263	54.588	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	106614	356.422	ug/l	99
59) 2-Hexanone	10.97	43	86185	339.852	ug/l	99
60) Dibromochloromethane	11.13	129	34876	47.502	ug/l	99
61) 1,2-Dibromoethane	11.24	107	30348	54.045	ug/l	95
64) Tetrachloroethene	10.86	164	39085	53.200	ug/l	98
65) Chlorobenzene	11.66	112	105125	46.814	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	37336	46.531	ug/l	98
67) Ethyl Benzene	11.73	91	182665	47.403	ug/l	98
68) m/p-Xylenes	11.84	106	139755	93.494	ug/l	97
69) o-Xylene	12.16	106	68544	48.919	ug/l	97
70) Styrene	12.18	104	112032	48.640	ug/l	99
71) Bromoform	12.35	173	20145	48.363	ug/l #	99
73) Isopropylbenzene	12.47	105	202185	52.249	ug/l	99
74) N-amyl acetate	12.27	43	43246	64.520	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	34380	59.257	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	26805m	67.745	ug/l	
77) Bromobenzene	12.75	156	43862	49.460	ug/l	93
78) n-propylbenzene	12.80	91	228465	50.719	ug/l	98
79) 2-Chlorotoluene	12.90	91	128219	48.862	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	159910	47.908	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	10611	56.292	ug/l	99
82) 4-Chlorotoluene	12.99	91	134551	48.157	ug/l	100
83) tert-Butylbenzene	13.21	119	139731	47.711	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	163720	48.610	ug/l	99
85) sec-Butylbenzene	13.39	105	192987	47.813	ug/l	100
86) p-Isopropyltoluene	13.50	119	172787	47.078	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	83348	47.336	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	83412	47.359	ug/l	99
89) n-Butylbenzene	13.83	91	153492	45.612	ug/l	99
90) Hexachloroethane	14.10	117	27870	43.253	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	78416	49.741	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7012	58.850	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	52004	47.522	ug/l	99
94) Hexachlorobutadiene	15.24	225	26296	44.964	ug/l	96
95) Naphthalene	15.37	128	125715	62.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	47209	50.397	ug/l	99

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

