

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008203.D
 Acq On : 11 Jan 2019 19:17
 Operator : SY/VA
 Sample : K1088-11MSD
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 CPSB-06(15-20)MSD

Manual Integrations
 APPROVED

apatel
 1/14/2019 2:42:08 PM

Quant Time: Jan 12 00:47:11 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	96810	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	164402	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	42843	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	55438	50.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.90%	
35) Dibromofluoromethane	7.88	113	53164	55.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.90%	
50) Toluene-d8	10.32	98	184983	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
62) 4-Bromofluorobenzene	12.62	95	50063	34.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35405	44.811	ug/l	100
3) Chloromethane	2.21	50	49982	48.761	ug/l	94
4) Vinyl Chloride	2.37	62	65940	49.289	ug/l	98
5) Bromomethane	2.78	94	47653	47.550	ug/l	98
6) Chloroethane	2.93	64	42976	42.690	ug/l	95
7) Trichlorofluoromethane	3.26	101	47871	44.014	ug/l	97
8) Diethyl Ether	3.68	74	33993	55.286	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.06	101	44072	40.814	ug/l	94
10) Methyl Iodide	4.26	142	85573	54.374	ug/l	98
11) Tert butyl alcohol	5.20	59	18661	283.583	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	54241	51.162	ug/l	93
13) Acrolein	3.89	56	8796	120.653	ug/l	98
14) Allyl chloride	4.67	41	91059	47.307	ug/l	98
15) Acrylonitrile	5.37	53	68995	294.742	ug/l	97
16) Acetone	4.14	43	75513	398.679	ug/l	92
17) Carbon Disulfide	4.37	76	152072	45.917	ug/l	99
18) Methyl Acetate	4.67	43	47752	69.439	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	103496	60.048	ug/l	96
20) Methylene Chloride	4.91	84	67111	63.992	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	57749	50.124	ug/l	96
22) Diisopropyl ether	6.31	45	204203	55.625	ug/l	100
23) Vinyl Acetate	6.26	43	492054	255.212	ug/l	96
24) 1,1-Dichloroethane	6.21	63	111371	52.068	ug/l	97
25) 2-Butanone	7.17	43	93433	308.632	ug/l	99
26) 2,2-Dichloropropane	7.16	77	68145	47.019	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	66608	52.989	ug/l	93
28) Bromochloromethane	7.51	49	41408	48.944	ug/l #	90
29) Tetrahydrofuran	7.53	42	58000	286.814	ug/l	99
30) Chloroform	7.67	83	108379	53.232	ug/l	97
31) Cyclohexane	7.95	56	61101	26.684	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	85929	48.505	ug/l	99
36) 1,1-Dichloropropene	8.08	75	74229	43.832	ug/l	97
37) Ethyl Acetate	7.26	43	39281	57.896	ug/l	98
38) Carbon Tetrachloride	8.07	117	71385	46.054	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	45606	21.238	ug/l	94
40) Benzene	8.32	78	239288	52.095	ug/l	98
41) Methacrylonitrile	7.49	41	25583	59.692	ug/l	92
42) 1,2-Dichloroethane	8.40	62	69967	54.159	ug/l	98
43) Isopropyl Acetate	8.43	43	79868	58.877	ug/l	99
44) Trichloroethene	9.09	130	57424	48.837	ug/l	88
45) 1,2-Dichloropropane	9.37	63	61282	53.807	ug/l	98
46) Dibromomethane	9.46	93	31948	57.118	ug/l	93
47) Bromodichloromethane	9.65	83	78300	55.131	ug/l	97
48) Methyl methacrylate	9.43	41	39860	62.273	ug/l	98
49) 1,4-Dioxane	9.46	88	8944	994.313	ug/l #	95
51) 4-Methyl-2-Pentanone	10.21	43	197455	300.709	ug/l	98
52) Toluene	10.39	92	135770	46.284	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	76739	51.944	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	89531	51.107	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	45547	57.999	ug/l	98
56) Ethyl methacrylate	10.65	69	60781	62.498	ug/l	99
57) 1,3-Dichloropropane	10.93	76	79712	55.501	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	138575	275.846	ug/l	96
59) 2-Hexanone	10.97	43	138777	312.529	ug/l	99
60) Dibromochloromethane	11.13	129	51562	59.792	ug/l	99
61) 1,2-Dibromoethane	11.24	107	43094	57.833	ug/l	99
64) Tetrachloroethene	10.86	164	37989	45.553	ug/l	94
65) Chlorobenzene	11.66	112	136617	50.323	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	52762	59.753	ug/l	99
67) Ethyl Benzene	11.73	91	217452	43.776	ug/l	98
68) m/p-Xylenes	11.84	106	162416	85.663	ug/l	98
69) o-Xylene	12.16	106	81622	46.488	ug/l	95
70) Styrene	12.18	104	129851	47.217	ug/l	97
71) Bromoform	12.35	173	27538	69.683	ug/l #	96
73) Isopropylbenzene	12.47	105	176804	52.564	ug/l	100
74) N-amyl acetate	12.27	43	73108	98.147	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	51772	96.161	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	41844m	107.138	ug/l	
77) Bromobenzene	12.75	156	49290	69.352	ug/l	92
78) n-propylbenzene	12.80	91	181143	43.953	ug/l	99
79) 2-Chlorotoluene	12.90	91	118515	51.544	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	122489	44.315	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15082	89.926	ug/l	97
82) 4-Chlorotoluene	12.99	91	120889	49.920	ug/l	98
83) tert-Butylbenzene	13.21	119	99304	40.610	ug/l	94
84) 1,2,4-Trimethylbenzene	13.26	105	130671	45.837	ug/l	99
85) sec-Butylbenzene	13.39	105	129072	36.033	ug/l	96
86) p-Isopropyltoluene	13.50	119	106990	34.588	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	70077	48.607	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	70095	48.459	ug/l	99
89) n-Butylbenzene	13.83	91	91487	30.198	ug/l	98
90) Hexachloroethane	14.10	117	21119	40.422	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	67393	53.189	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7020	81.021	ug/l	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25284	30.056	ug/l #	74
94) Hexachlorobutadiene	15.24	225	8305	18.445	ug/l	99
95) Naphthalene	15.37	128	76827	48.912	ug/l	97
96) 1,2,3-Trichlorobenzene	15.56	180	23272	32.452	ug/l #	76

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

