

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006962.D
 Acq On : 19 Nov 2018 23:57
 Operator : SY/AP
 Sample : J5977-10MSD
 Misc : 3.79G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MMTW-03(8-10)MSD

Manual Integrations
 APPROVED

apatel
 11/20/2018 4:52:53 PM

Quant Time: Nov 20 06:07:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	97664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	151722	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	51844	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	56004	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
35) Dibromofluoromethane	7.88	113	49983	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	
50) Toluene-d8	10.33	98	206130	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.62	95	67693	45.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49322	52.748	ug/l	100
3) Chloromethane	2.21	50	43249	51.381	ug/l	95
4) Vinyl Chloride	2.35	62	39990	50.118	ug/l	99
5) Bromomethane	2.78	94	23019	53.706	ug/l	95
6) Chloroethane	2.92	64	23469	53.408	ug/l	95
7) Trichlorofluoromethane	3.26	101	78885	50.796	ug/l	97
8) Diethyl Ether	3.69	74	29015	51.630	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45933	45.800	ug/l	98
10) Methyl Iodide	4.28	142	60688	48.986	ug/l	100
11) Tert butyl alcohol	5.20	59	19621	236.960	ug/l #	84
12) 1,1-Dichloroethene	4.04	96	43162	47.968	ug/l	99
13) Acrolein	3.90	56	23054	307.053	ug/l	99
14) Allyl chloride	4.67	41	74455	47.037	ug/l	99
15) Acrylonitrile	5.38	53	61557	281.436	ug/l	99
16) Acetone	4.14	43	44570	267.717	ug/l	100
17) Carbon Disulfide	4.38	76	127179	44.677	ug/l	100
18) Methyl Acetate	4.68	43	44673	73.325	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	145335	55.098	ug/l	99
20) Methylene Chloride	4.92	84	61449	53.854	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	45932	42.793	ug/l	95
22) Diisopropyl ether	6.31	45	164050	50.774	ug/l	99
23) Vinyl Acetate	6.26	43	273788	153.026	ug/l	100
24) 1,1-Dichloroethane	6.22	63	91900	49.397	ug/l	98
25) 2-Butanone	7.18	43	78323	283.278	ug/l	98
26) 2,2-Dichloropropane	7.17	77	77529	47.760	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	54249	45.458	ug/l	98
28) Bromochloromethane	7.51	49	33980	49.729	ug/l #	97
29) Tetrahydrofuran	7.53	42	51154	284.493	ug/l	99
30) Chloroform	7.68	83	95445	46.795	ug/l	100
31) Cyclohexane	7.95	56	80698	43.297	ug/l	93
32) 1,1,1-Trichloroethane	7.87	97	87013	49.554	ug/l	98
36) 1,1-Dichloropropene	8.09	75	69226	47.894	ug/l	99
37) Ethyl Acetate	7.25	43	30155	49.068	ug/l	98
38) Carbon Tetrachloride	8.07	117	72487	51.030	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	73983	41.244	ug/l	98
40) Benzene	8.32	78	208453	51.028	ug/l	98
41) Methacrylonitrile	7.49	41	21565	57.291	ug/l	95
42) 1,2-Dichloroethane	8.40	62	63621	52.025	ug/l	99
43) Isopropyl Acetate	8.43	43	63291	53.673	ug/l	99
44) Trichloroethene	9.09	130	53294	48.521	ug/l	97
45) 1,2-Dichloropropane	9.37	63	55142	53.439	ug/l	100
46) Dibromomethane	9.46	93	27479	52.585	ug/l	97
47) Bromodichloromethane	9.65	83	71342	51.847	ug/l	99
48) Methyl methacrylate	9.44	41	33996	59.745	ug/l	98
49) 1,4-Dioxane	9.47	88	9850	1243.889	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	175296	301.622	ug/l	97
52) Toluene	10.39	92	137106	50.168	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	62651	46.590	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	77753	48.316	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	41613	54.007	ug/l	97
56) Ethyl methacrylate	10.65	69	44686	46.647	ug/l	98
57) 1,3-Dichloropropane	10.93	76	69685	53.157	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	135655	288.043	ug/l	98
59) 2-Hexanone	10.97	43	120681	310.262	ug/l	100
60) Dibromochloromethane	11.13	129	46853	53.324	ug/l	98
61) 1,2-Dibromoethane	11.24	107	37969	53.021	ug/l	99
64) Tetrachloroethene	10.87	164	44672	52.923	ug/l	97
65) Chlorobenzene	11.66	112	139471	50.374	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	49673	56.297	ug/l	98
67) Ethyl Benzene	11.73	91	260478	52.181	ug/l	98
68) m/p-Xylenes	11.84	106	201831	103.829	ug/l	98
69) o-Xylene	12.17	106	99433	53.895	ug/l	99
70) Styrene	12.18	104	144244	48.617	ug/l	100
71) Bromoform	12.35	173	25557	62.131	ug/l #	100
73) Isopropylbenzene	12.47	105	256564	62.489	ug/l	100
74) N-amyl acetate	12.27	43	44505	54.161	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45714	75.692	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	34413m	82.599	ug/l	
77) Bromobenzene	12.75	156	52928	60.823	ug/l	98
78) n-propylbenzene	12.81	91	269071	54.539	ug/l	99
79) 2-Chlorotoluene	12.90	91	164787	56.994	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	209682	59.310	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	12576	68.712	ug/l	97
82) 4-Chlorotoluene	12.99	91	158627	52.037	ug/l	100
83) tert-Butylbenzene	13.21	119	184178	61.346	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	202009	56.877	ug/l	100
85) sec-Butylbenzene	13.39	105	225402	52.617	ug/l	99
86) p-Isopropyltoluene	13.51	119	199168	53.197	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	89455	50.272	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	87394	49.280	ug/l	99
89) n-Butylbenzene	13.83	91	145840	41.151	ug/l	99
90) Hexachloroethane	14.10	117	30653	50.221	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	86953	54.648	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7947	76.039	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34629	34.591	ug/l	99
94) Hexachlorobutadiene	15.24	225	16999	32.144	ug/l	99
95) Naphthalene	15.38	128	124700	64.647	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	32183	37.500	ug/l	100

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

