

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005282.D
 Acq On : 11 Sep 2018 18:01
 Operator : SY/AP
 Sample : J4821-02MS
 Misc : 11.10G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ENY-SB-02-61.0-61.5MS

Manual Integrations
 APPROVED

apatel
 9/12/2018 11:13:27 AM

Quant Time: Sep 12 01:50:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	8524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	11601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	9471	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	5076	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	3687	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
35) Dibromofluoromethane	7.90	113	4284	70.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	141.00%	
50) Toluene-d8	10.34	98	14179	46.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.34%	
62) 4-Bromofluorobenzene	12.63	95	5251	46.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	5032	68.43	ug/l	90
3) Chloromethane	2.21	50	5494	55.89	ug/l #	85
4) Vinyl Chloride	2.36	62	6605	73.19	ug/l	90
5) Bromomethane	2.79	94	1866	33.08	ug/l	99
6) Chloroethane	2.93	64	3719	74.81	ug/l	98
7) Trichlorofluoromethane	3.28	101	9404	92.11	ug/l	93
8) Diethyl Ether	3.70	74	1988	54.64	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	4.09	101	6061	83.12	ug/l	96
10) Methyl Iodide	4.29	142	3048	34.72	ug/l #	97
11) Tert butyl alcohol	5.17	59	1516m	290.76	ug/l	
12) 1,1-Dichloroethene	4.05	96	5407	80.53	ug/l	90
13) Acrolein	3.91	56	1109	220.20	ug/l	91
14) Allyl chloride	4.69	41	5808	56.30	ug/l	96
15) Acrylonitrile	5.39	53	4023	245.08	ug/l #	93
16) Acetone	4.13	43	5417	459.03	ug/l	92
17) Carbon Disulfide	4.40	76	16069	68.18	ug/l	97
18) Methyl Acetate	4.68	43	3618m	102.70	ug/l	
19) Methyl tert-butyl Ether	5.43	73	8928	55.83	ug/l #	84
20) Methylene Chloride	4.93	84	5446	62.95	ug/l	98
21) trans-1,2-Dichloroethene	5.44	96	5627	71.78	ug/l #	93
22) Diisopropyl ether	6.31	45	10713	51.58	ug/l	93
23) Vinyl Acetate	6.27	43	16715	144.40	ug/l	96
24) 1,1-Dichloroethane	6.22	63	8848	69.20	ug/l #	96
25) 2-Butanone	7.18	43	4944	265.60	ug/l #	88
26) 2,2-Dichloropropane	7.18	77	4625	41.72	ug/l	93
27) cis-1,2-Dichloroethene	7.18	96	5265	62.75	ug/l	94
28) Bromochloromethane	7.51	49	2666	56.52	ug/l	93
29) Tetrahydrofuran	7.54	42	3176	253.19	ug/l	97
30) Chloroform	7.68	83	8869	69.12	ug/l	91
31) Cyclohexane	7.96	56	8568	62.98	ug/l	94
32) 1,1,1-Trichloroethane	7.88	97	8426	72.69	ug/l	99
36) 1,1-Dichloropropene	8.10	75	6710	63.13	ug/l	96
37) Ethyl Acetate	7.26	43	2239	55.38	ug/l #	92
38) Carbon Tetrachloride	8.08	117	7339	73.71	ug/l #	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	8668	61.42	ug/l	94
40) Benzene	8.34	78	19115	61.05	ug/l	98
41) Methacrylonitrile	7.51	41	1454	70.10	ug/l #	81
42) 1,2-Dichloroethane	8.41	62	4587	61.23	ug/l	96
43) Isopropyl Acetate	8.43	43	4182	55.71	ug/l #	97
44) Trichloroethene	9.10	130	5129	59.71	ug/l	96
45) 1,2-Dichloropropane	9.37	63	4484	59.58	ug/l	90
46) Dibromomethane	9.46	93	1974	53.58	ug/l	94
47) Bromodichloromethane	9.65	83	5084	56.41	ug/l #	95
48) Methyl methacrylate	9.45	41	1393	35.74	ug/l #	95
49) 1,4-Dioxane	9.45	88	522	758.91	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	9405	222.62	ug/l	94
52) Toluene	10.40	92	9665	42.47	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	2191	22.50	ug/l #	84
54) cis-1,3-Dichloropropene	10.08	75	3498	29.99	ug/l #	91
55) 1,1,2-Trichloroethane	10.79	97	3773	64.23	ug/l	92
56) Ethyl methacrylate	10.65	69	2326	31.23	ug/l #	76
57) 1,3-Dichloropropane	10.94	76	4730	48.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1732	53.51	ug/l	100
59) 2-Hexanone	10.98	43	6180	202.91	ug/l	74
60) Dibromochloromethane	11.13	129	3029	46.47	ug/l	90
61) 1,2-Dibromoethane	11.24	107	2021	37.52	ug/l #	74
64) Tetrachloroethene	10.87	164	5513	78.46	ug/l	95
65) Chlorobenzene	11.66	112	10103	48.70	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.74	131	4147	66.94	ug/l	95
67) Ethyl Benzene	11.74	91	19032	52.67	ug/l	96
68) m/p-Xylenes	11.85	106	14982	102.90	ug/l	93
69) o-Xylene	12.17	106	6757	49.88	ug/l	93
70) Styrene	12.19	104	7183	32.50	ug/l	92
71) Bromoform	12.35	173	1650	49.12	ug/l #	99
73) Isopropylbenzene	12.47	105	32062	89.40	ug/l	99
74) N-amyl acetate	12.26	43	21177	310.35	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.72	83	4127	76.57	ug/l	72
76) 1,2,3-Trichloropropane	12.77	75	2672m	68.44	ug/l	
77) Bromobenzene	12.75	156	3647	43.16	ug/l	93
78) n-propylbenzene	12.81	91	59768	138.76	ug/l	99
79) 2-Chlorotoluene	12.90	91	29072m	117.70	ug/l	
80) 1,3,5-Trimethylbenzene	12.95	105	117056	383.30	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	191	11.47	ug/l #	16
82) 4-Chlorotoluene	12.99	91	10833	41.72	ug/l	89
83) tert-Butylbenzene	13.21	119	20335	76.13	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	382750	1247.20	ug/l	99
85) sec-Butylbenzene	13.39	105	49896	129.98	ug/l	87
86) p-Isopropyltoluene	13.51	119	49794	146.53	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	5797	32.67	ug/l #	31
88) 1,4-Dichlorobenzene	13.59	146	4754	27.28	ug/l #	29
89) n-Butylbenzene	13.83	91	43990	137.71	ug/l #	77
90) Hexachloroethane	14.10	117	10374	190.55	ug/l #	32
91) 1,2-Dichlorobenzene	13.88	146	5493	35.22	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.46	75	1105m	123.28	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	687	6.23	ug/l #	83
94) Hexachlorobutadiene	15.24	225	1272	18.01	ug/l	93
95) Naphthalene	15.38	128	11310	63.24	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	358	3.77	ug/l #	75

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

