

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092518\
 Data File : VW005615.D
 Acq On : 25 Sep 2018 17:01
 Operator : VA/AP
 Sample : J5066-05MS
 Misc : 5.13G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3MS

Manual Integrations
 APPROVED

apatel
 9/26/2018 2:05:05 PM

Quant Time: Sep 26 12:31:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 21 09:05:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	200701	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	306526	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	271180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	344150	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121000	51.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.36%	
35) Dibromofluoromethane	7.88	113	104026	53.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.94%	
50) Toluene-d8	10.33	98	409743	52.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.40%	
62) 4-Bromofluorobenzene	12.62	95	414900	142.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	53535	43.957	ug/l	98
3) Chloromethane	2.21	50	57031	35.349	ug/l	95
4) Vinyl Chloride	2.37	62	93416	48.440	ug/l	97
5) Bromomethane	2.78	94	59363	45.550	ug/l	99
6) Chloroethane	2.93	64	58132	46.977	ug/l	99
7) Trichlorofluoromethane	3.26	101	71466	47.381	ug/l	97
8) Diethyl Ether	3.68	74	45458	46.137	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.06	101	79314	41.541	ug/l	99
10) Methyl Iodide	4.27	142	142884	48.662	ug/l	99
11) Tert butyl alcohol	5.24	59	22550	184.091	ug/l #	72
12) 1,1-Dichloroethene	4.04	96	93130	50.950	ug/l	96
13) Acrolein	3.91	56	452	Below Cal		94
14) Allyl chloride	4.67	41	152489	47.802	ug/l	99
15) Acrylonitrile	5.38	53	86214	197.081	ug/l	98
16) Acetone	4.15	43	103240	278.837	ug/l	97
17) Carbon Disulfide	4.38	76	263836	46.197	ug/l	97
18) Methyl Acetate	4.67	43	126326	112.728	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	92790	32.888	ug/l	99
20) Methylene Chloride	4.91	84	105758	53.705	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	97616	48.758	ug/l	98
22) Diisopropyl ether	6.32	45	220060	35.536	ug/l	99
23) Vinyl Acetate	6.26	43	355738m	100.505	ug/l	
24) 1,1-Dichloroethane	6.21	63	179755	46.982	ug/l	99
25) 2-Butanone	7.18	43	108605	189.122	ug/l	94
26) 2,2-Dichloropropane	7.17	77	97907	36.655	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	106915	48.417	ug/l	96
28) Bromochloromethane	7.52	49	65065	42.932	ug/l	95
29) Tetrahydrofuran	7.54	42	72006	200.709	ug/l	97
30) Chloroform	7.68	83	191253	48.418	ug/l	98
31) Cyclohexane	7.96	56	111950	30.541	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	153023	43.853	ug/l	99
36) 1,1-Dichloropropene	8.09	75	141313	45.797	ug/l	100
37) Ethyl Acetate	7.26	43	46259	35.624	ug/l	99
38) Carbon Tetrachloride	8.07	117	147940	44.741	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	75520	20.744	ug/l	99
40) Benzene	8.32	78	409155	46.799	ug/l	99
41) Methacrylonitrile	7.49	41	28683	38.817	ug/l	92
42) 1,2-Dichloroethane	8.40	62	132328	47.274	ug/l	100
43) Isopropyl Acetate	8.43	43	100168	39.235	ug/l	95
44) Trichloroethene	9.10	130	103762	46.367	ug/l	94
45) 1,2-Dichloropropane	9.38	63	97631	45.391	ug/l	92
46) Dibromomethane	9.46	93	47555	44.250	ug/l	98
47) Bromodichloromethane	9.65	83	133776	46.338	ug/l	99
48) Methyl methacrylate	9.44	41	56376	46.491	ug/l	97
49) 1,4-Dioxane	9.48	88	12036	704.421	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	285148	221.756	ug/l	100
52) Toluene	10.39	92	252811	46.343	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	139682	48.264	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	157122	48.455	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	84883	55.642	ug/l	97
56) Ethyl methacrylate	10.65	69	101220	53.750	ug/l	97
57) 1,3-Dichloropropane	10.94	76	127550	47.176	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	204605	239.681	ug/l	96
59) 2-Hexanone	10.98	43	188585m	215.890	ug/l	
60) Dibromochloromethane	11.13	129	90290	48.985	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67397	47.385	ug/l	91
64) Tetrachloroethene	10.87	164	82848	43.045	ug/l	97
65) Chlorobenzene	11.66	112	278391	48.358	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	101654	49.062	ug/l	98
67) Ethyl Benzene	11.74	91	407353	39.865	ug/l	100
68) m/p-Xylenes	11.85	106	263346	68.215	ug/l	98
69) o-Xylene	12.17	106	162616	44.977	ug/l	85
70) Styrene	12.19	104	271449	44.613	ug/l	92
71) Bromoform	12.35	173	51196	46.550	ug/l #	100
73) Isopropylbenzene	12.48	105	274248	11.491	ug/l	99
74) N-amyl acetate	12.27	43	5253987	972.211	ug/l #	69
75) 1,1,2,2-Tetrachloroethane	12.71	83	621393	156.752	ug/l #	31
76) 1,2,3-Trichloropropane	12.77	75	59665m	20.338	ug/l	
77) Bromobenzene	12.76	156	114771	20.518	ug/l	85
78) n-propylbenzene	12.81	91	335835	11.623	ug/l	85
79) 2-Chlorotoluene	12.90	91	401378	24.010	ug/l	89
80) 1,3,5-Trimethylbenzene	12.96	105	360299	17.362	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	25063	19.242	ug/l #	1
82) 4-Chlorotoluene	13.00	91	352063m	19.933	ug/l	
83) tert-Butylbenzene	13.22	119	917938	52.650	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	216469	10.337	ug/l	93
85) sec-Butylbenzene	13.40	105	169523	6.704	ug/l	99
86) p-Isopropyltoluene	13.51	119	398865	17.599	ug/l	93
87) 1,3-Dichlorobenzene	13.51	146	174692	15.273	ug/l #	1
88) 1,4-Dichlorobenzene	13.59	146	181132	15.923	ug/l #	1
89) n-Butylbenzene	13.83	91	134059m	6.271	ug/l	
90) Hexachloroethane	14.12	117	1073544	261.340	ug/l #	10
91) 1,2-Dichlorobenzene	13.88	146	163664	16.209	ug/l #	73
92) 1,2-Dibromo-3-Chloropropan	14.51	75	34253	45.352	ug/l #	42

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	81195	11.273	ug/l #	1
94) Hexachlorobutadiene	15.25	225	20265	4.343	ug/l	98
95) Naphthalene	15.38	128	109877	9.069	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.57	180	73217	11.535	ug/l #	1

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

