

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092618\
 Data File : VW005661.D
 Acq On : 26 Sep 2018 18:58
 Operator : VA/AP
 Sample : J5066-06MSD
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-Q1-G3

Manual Integrations
 APPROVED

apatel
 9/27/2018 10:33:52 AM

Quant Time: Sep 27 07:06:38 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	7.95	168	288184	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	455249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	371058	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	147074	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
35) Dibromofluoromethane	7.88	113	121195	42.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.66%	
50) Toluene-d8	10.33	98	450357	38.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.26%	
62) 4-Bromofluorobenzene	12.62	95	491216	113.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	89114	51.514	ug/l	97
3) Chloromethane	2.21	50	102740	44.349	ug/l	97
4) Vinyl Chloride	2.37	62	142865	51.593	ug/l	99
5) Bromomethane	2.78	94	88512	47.299	ug/l	98
6) Chloroethane	2.92	64	85624	48.189	ug/l	96
7) Trichlorofluoromethane	3.25	101	81553	37.655	ug/l	99
8) Diethyl Ether	3.68	74	75585	53.427	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	109895	40.085	ug/l	100
10) Methyl Iodide	4.27	142	202589	48.051	ug/l	97
11) Tert butyl alcohol	5.19	59	49189	280.904	ug/l	98
12) 1,1-Dichloroethene	4.04	96	133645	50.919	ug/l	99
13) Acrolein	3.88	56	722	Below Cal	#	13
14) Allyl chloride	4.66	41	225727	49.280	ug/l	97
15) Acrylonitrile	5.37	53	172829	275.146	ug/l	99
16) Acetone	4.13	43	158559	298.927	ug/l	97
17) Carbon Disulfide	4.38	76	396643	48.368	ug/l	99
18) Methyl Acetate	4.67	43	317525	197.331	ug/l	96
19) Methyl tert-butyl Ether	5.43	73	158946	39.235	ug/l	98
20) Methylene Chloride	4.91	84	141019	49.537	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	139990	48.697	ug/l	96
22) Diisopropyl ether	6.31	45	357660	40.223	ug/l	98
23) Vinyl Acetate	6.26	43	511086m	100.561	ug/l	
24) 1,1-Dichloroethane	6.21	63	259701	47.272	ug/l	100
25) 2-Butanone	7.18	43	234408	284.279	ug/l	99
26) 2,2-Dichloropropane	7.16	77	132078	34.437	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	154528	48.736	ug/l	97
28) Bromochloromethane	7.51	49	94093	43.238	ug/l	99
29) Tetrahydrofuran	7.53	42	168916	327.905	ug/l	99
30) Chloroform	7.68	83	267210	47.112	ug/l	99
31) Cyclohexane	7.96	56	171523	32.588	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	195567	39.032	ug/l	98
36) 1,1-Dichloropropene	8.09	75	197633	43.125	ug/l	99
37) Ethyl Acetate	7.26	43	84856	44.000	ug/l	100
38) Carbon Tetrachloride	8.07	117	191094	38.912	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	123746	22.887	ug/l	98
40) Benzene	8.33	78	584000	44.976	ug/l	99
41) Methacrylonitrile	7.49	41	64433	58.711	ug/l	96
42) 1,2-Dichloroethane	8.40	62	192486	46.301	ug/l	98
43) Isopropyl Acetate	8.43	43	188699	49.766	ug/l	100
44) Trichloroethene	9.10	130	147812	44.473	ug/l	99
45) 1,2-Dichloropropane	9.37	63	147380	46.136	ug/l	99
46) Dibromomethane	9.46	93	79091	49.552	ug/l	98
47) Bromodichloromethane	9.65	83	190935	44.531	ug/l	100
48) Methyl methacrylate	9.44	41	116992	64.961	ug/l	94
49) 1,4-Dioxane	9.46	88	25837	1018.147	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	559948	293.205	ug/l	99
52) Toluene	10.39	92	343991	42.458	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	209857	48.823	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	229907	47.739	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	133866	59.084	ug/l	99
56) Ethyl methacrylate	10.65	69	166347	59.476	ug/l	95
57) 1,3-Dichloropropane	10.94	76	199567	49.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	332717	262.428	ug/l	99
59) 2-Hexanone	10.97	43	629111m	484.922	ug/l	
60) Dibromochloromethane	11.13	129	130800	47.780	ug/l	98
61) 1,2-Dibromoethane	11.24	107	110760	52.432	ug/l	95
64) Tetrachloroethene	10.87	164	109379	38.758	ug/l	97
65) Chlorobenzene	11.66	112	373477	44.245	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	136925	45.070	ug/l	98
67) Ethyl Benzene	11.74	91	569232	37.992	ug/l	100
68) m/p-Xylenes	11.85	106	339574	59.989	ug/l	97
69) o-Xylene	12.17	106	216025	40.749	ug/l	90
70) Styrene	12.19	104	359655	40.313	ug/l	95
71) Bromoform	12.35	173	79766	49.464	ug/l	99
73) Isopropylbenzene	12.47	105	401823	15.616	ug/l	99
74) N-amyl acetate	12.26	43	5056941	867.891	ug/l #	71
75) 1,1,2,2-Tetrachloroethane	12.71	83	687908	160.947	ug/l #	47
76) 1,2,3-Trichloropropane	12.77	75	116875m	36.950	ug/l	
77) Bromobenzene	12.76	156	151385	25.101	ug/l	87
78) n-propylbenzene	12.81	91	464518	14.911	ug/l	90
79) 2-Chlorotoluene	12.90	91	476571	26.441	ug/l	92
80) 1,3,5-Trimethylbenzene	12.95	105	412677	18.444	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	45267	32.233	ug/l #	1
82) 4-Chlorotoluene	12.99	91	490842m	25.775	ug/l	
83) tert-Butylbenzene	13.21	119	963894	51.277	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	256686	11.368	ug/l	94
85) sec-Butylbenzene	13.40	105	251401	9.221	ug/l	99
86) p-Isopropyltoluene	13.51	119	299675	12.264	ug/l	93
87) 1,3-Dichlorobenzene	13.51	146	232326	18.839	ug/l #	1
88) 1,4-Dichlorobenzene	13.59	146	242563	19.777	ug/l #	1
89) n-Butylbenzene	13.83	91	125115	5.428	ug/l #	67
90) Hexachloroethane	14.11	117	760805	171.777	ug/l #	13
91) 1,2-Dichlorobenzene	13.88	146	211052	19.387	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.47	75	34793	42.726	ug/l #	4

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	105031	13.525	ug/l #	1
94) Hexachlorobutadiene	15.24	225	28305	5.626	ug/l	99
95) Naphthalene	15.38	128	146443	11.211	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.57	180	97379	14.229	ug/l #	1

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

