

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027307.D
 Acq On : 29 Sep 2018 05:48
 Operator : MD/SY
 Sample : J5135-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 SA-TW502-0913MS

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:08:31 PM

Quant Time: Oct 01 04:02:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U092218W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 22 01:31:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	79137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	142549	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135827	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	73707	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	82145	51.57	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.14%		
35) Dibromofluoromethane	4.88	113	58298	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.36%		
50) Toluene-d8	7.57	98	215245	45.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	91.42%		
62) 4-Bromofluorobenzene	10.31	95	80393	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.50%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	53346	51.630	ug/l	98
3) Chloromethane	1.33	50	82503	46.313	ug/l	100
4) Vinyl Chloride	1.40	62	83125	49.989	ug/l	99
5) Bromomethane	1.62	94	58286	61.552	ug/l	100
6) Chloroethane	1.69	64	48783	45.915	ug/l	99
7) Trichlorofluoromethane	1.88	101	90987	48.177	ug/l	97
8) Diethyl Ether	2.10	74	43674	48.043	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.29	101	53539	46.104	ug/l	98
10) Methyl Iodide	2.41	142	43481	30.190	ug/l	98
11) Tert butyl alcohol	2.83	59	94359	258.466	ug/l	99
12) 1,1-Dichloroethene	2.28	96	52214	47.771	ug/l	95
13) Acrolein	2.20	56	25792	131.058	ug/l	100
14) Allyl chloride	2.59	41	123656	55.780	ug/l	96
15) Acrylonitrile	2.94	53	247079	268.528	ug/l	99
16) Acetone	2.32	43	214136	253.318	ug/l	98
17) Carbon Disulfide	2.48	76	177399	49.822	ug/l	99
18) Methyl Acetate	2.62	43	124268	54.816	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	223757	55.709	ug/l	99
20) Methylene Chloride	2.70	84	69488	48.714	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	60200	51.587	ug/l	99
22) Diisopropyl ether	3.57	45	271372	57.231	ug/l	98
23) Vinyl Acetate	3.53	43	1049430	259.637	ug/l	99
24) 1,1-Dichloroethane	3.45	63	138698	53.110	ug/l	99
25) 2-Butanone	4.26	43	346275	258.696	ug/l	99
26) 2,2-Dichloropropane	4.23	77	83756	41.124	ug/l	98
27) cis-1,2-Dichloroethene	4.23	96	69596	52.809	ug/l	99
28) Bromochloromethane	4.55	49	69342	55.082	ug/l	97
29) Tetrahydrofuran	4.64	42	229854	283.866	ug/l	97
30) Chloroform	4.67	83	125410	51.734	ug/l	100
31) Cyclohexane	5.00	56	127545	53.771	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	103184	53.312	ug/l	98
36) 1,1-Dichloropropene	5.14	75	93164	48.970	ug/l	99
37) Ethyl Acetate	4.38	43	121148	47.039	ug/l	98
38) Carbon Tetrachloride	5.14	117	85895	47.444	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	105835	51.191	ug/l	98
40) Benzene	5.39	78	283035	48.938	ug/l	99
41) Methacrylonitrile	4.54	41	73944	55.283	ug/l	96
42) 1,2-Dichloroethane	5.40	62	108361	49.591	ug/l	99
43) Isopropyl Acetate	5.55	43	189219	50.378	ug/l	100
44) Trichloroethene	6.19	130	59433	48.270	ug/l	95
45) 1,2-Dichloropropane	6.43	63	82890	50.300	ug/l	98
46) Dibromomethane	6.56	93	48299	48.529	ug/l	98
47) Bromodichloromethane	6.76	83	97317	48.357	ug/l	97
48) Methyl methacrylate	6.62	41	102049	49.920	ug/l	99
49) 1,4-Dioxane	6.61	88	36095	888.866	ug/l	98
51) 4-Methyl-2-Pentanone	7.46	43	660878	261.617	ug/l	99
52) Toluene	7.64	92	167255	50.452	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	109455	50.622	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	115546	48.601	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	69061	49.164	ug/l	99
56) Ethyl methacrylate	8.02	69	116758	47.997	ug/l	97
57) 1,3-Dichloropropane	8.24	76	130373	49.901	ug/l	100
59) 2-Hexanone	8.36	43	503127	254.439	ug/l	100
60) Dibromochloromethane	8.48	129	68558	49.757	ug/l	99
61) 1,2-Dibromoethane	8.59	107	72324	49.485	ug/l	99
64) Tetrachloroethene	8.23	164	48958	46.776	ug/l	98
65) Chlorobenzene	9.12	112	172792	47.978	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	62517	50.398	ug/l	99
67) Ethyl Benzene	9.25	91	316232	53.398	ug/l	99
68) m/p-Xylenes	9.38	106	235574	98.248	ug/l	99
69) o-Xylene	9.78	106	112416	53.575	ug/l	97
70) Stvrene	9.79	104	186960	47.802	ug/l	100
71) Bromoform	9.96	173	48566	50.628	ug/l #	98
73) Isopropylbenzene	10.17	105	305264	54.445	ug/l	100
74) N-amyl acetate	10.02	43	161180	49.663	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119609	46.399	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	106446m	47.538	ug/l	
77) Bromobenzene	10.45	156	69541	50.755	ug/l	97
78) n-propylbenzene	10.59	91	361334	54.466	ug/l	100
79) 2-Chlorotoluene	10.66	91	214235	51.411	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	252110	54.472	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	26791m	38.289	ug/l	
82) 4-Chlorotoluene	10.77	91	248596	53.204	ug/l	99
83) tert-Butylbenzene	11.10	119	243739	53.267	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	255101	54.160	ug/l	100
85) sec-Butylbenzene	11.32	105	301126	53.910	ug/l	100
86) p-Isopropyltoluene	11.48	119	254611	48.605	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	127251	49.909	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	128484	46.237	ug/l	99
89) n-Butylbenzene	11.89	91	231741	45.822	ug/l	100
90) Hexachloroethane	12.15	117	47224	46.492	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	128058	47.283	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	26148	49.721	ug/l	100
93) 1,2,4-Trichlorobenzene	13.50	180	81394	52.151	ug/l	100

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	38225	46.288	ug/l	99
95) Naphthalene	13.74	128	293632	48.182	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	84971	50.768	ug/l	98

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

