

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024862.D
 Acq On : 23 Jun 2018 03:30
 Operator : MD/SY
 Sample : J3592-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S32-0627MSD

Manual Integrations
 APPROVED

apatel
 6/26/2018 11:59:55 AM

Quant Time: Jun 23 04:58:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	179546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	273698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	257880	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	156589	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	124812	42.58	ug/l	0.00
Spiked Amount			Recovery	=	85.16%	
35) Dibromofluoromethane	4.89	113	101094	44.51	ug/l	0.00
Spiked Amount			Recovery	=	89.02%	
50) Toluene-d8	7.57	98	353774	42.70	ug/l	0.00
Spiked Amount			Recovery	=	85.40%	
62) 4-Bromofluorobenzene	10.31	95	141379	42.98	ug/l	0.00
Spiked Amount			Recovery	=	85.96%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	99927	44.46	ug/l	98
3) Chloromethane	1.33	50	96537	42.05	ug/l	98
4) Vinyl Chloride	1.40	62	344580	145.53	ug/l	99
5) Bromomethane	1.63	94	49504	43.25	ug/l	99
6) Chloroethane	1.70	64	69697	52.73	ug/l	98
7) Trichlorofluoromethane	1.89	101	175467	48.56	ug/l	99
8) Diethyl Ether	2.10	74	64008	52.13	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	2.29	101	99171	44.24	ug/l	97
10) Methyl Iodide	2.41	142	98855	51.88	ug/l	99
11) Tert butyl alcohol	2.83	59	189381	265.66	ug/l	99
12) 1,1-Dichloroethene	2.29	96	93006	45.49	ug/l	96
13) Acrolein	2.20	56	49087	131.13	ug/l	97
14) Allyl chloride	2.60	41	173970	45.83	ug/l	92
15) Acrylonitrile	2.94	53	338570	244.11	ug/l	99
16) Acetone	2.33	43	335405	212.97	ug/l	99
17) Carbon Disulfide	2.48	76	262072	40.03	ug/l	99
18) Methyl Acetate	2.62	43	176701	52.34	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	366916	47.75	ug/l	97
20) Methylene Chloride	2.71	84	106310	43.02	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	118531	52.64	ug/l	98
22) Diisopropyl ether	3.57	45	352141	46.80	ug/l	95
23) Vinyl Acetate	3.53	43	1495674	221.89	ug/l	99
24) 1,1-Dichloroethane	3.45	63	201945	46.65	ug/l	97
25) 2-Butanone	4.27	43	516826	244.31	ug/l	97
26) 2,2-Dichloropropane	4.23	77	156661	38.11	ug/l	84
27) cis-1,2-Dichloroethene	4.23	96	490313	189.41	ug/l	91
28) Bromochloromethane	4.55	49	85236	44.70	ug/l	87
29) Tetrahydrofuran	4.64	42	325407	248.40	ug/l	96
30) Chloroform	4.68	83	213093	48.64	ug/l	99
31) Cyclohexane	5.00	56	181358	47.06	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	192425	47.49	ug/l	97
36) 1,1-Dichloropropene	5.14	75	149357	46.44	ug/l	98
37) Ethyl Acetate	4.38	43	178635	50.96	ug/l	98
38) Carbon Tetrachloride	5.14	117	176227	49.83	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	183423	45.70	ug/l	97
40) Benzene	5.39	78	437516	47.74	ug/l	100
41) Methacrylonitrile	4.54	41	101232	53.56	ug/l	98
42) 1,2-Dichloroethane	5.41	62	179287	51.37	ug/l	99
43) Isopropyl Acetate	5.55	43	281588	46.47	ug/l	98
44) Trichloroethene	6.19	130	174733	67.00	ug/l	93
45) 1,2-Dichloropropane	6.44	63	119625	48.92	ug/l	99
46) Dibromomethane	6.56	93	85721	49.91	ug/l	95
47) Bromodichloromethane	6.76	83	165247	48.32	ug/l	100
48) Methyl methacrylate	6.63	41	147098	49.86	ug/l	98
49) 1,4-Dioxane	6.63	88	80165	1389.33	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	1004510	263.88	ug/l	98
52) Toluene	7.64	92	285269	48.38	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	174971	45.55	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	182947	44.70	ug/l	96
55) 1,1,2-Trichloroethane	8.07	97	119968	50.06	ug/l	98
56) Ethyl methacrylate	8.02	69	195389	48.71	ug/l	97
57) 1,3-Dichloropropane	8.25	76	203850	50.42	ug/l	99
59) 2-Hexanone	8.36	43	814270	262.01	ug/l	99
60) Dibromochloromethane	8.48	129	141223	47.25	ug/l	99
61) 1,2-Dibromoethane	8.59	107	132572	49.70	ug/l	98
64) Tetrachloroethene	8.23	164	110171	44.94	ug/l	94
65) Chlorobenzene	9.12	112	325049	49.34	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	124331	49.68	ug/l	98
67) Ethyl Benzene	9.25	91	561424	48.61	ug/l	98
68) m/p-Xylenes	9.38	106	433453	97.74	ug/l	98
69) o-Xylene	9.78	106	217399	49.53	ug/l	97
70) Styrene	9.80	104	352387	48.86	ug/l	99
71) Bromoform	9.96	173	113861	47.86	ug/l #	98
73) Isopropylbenzene	10.17	105	595161	49.50	ug/l	99
74) N-amyl acetate	10.01	43	272520	47.66	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	206194	51.18	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	194238m	56.34	ug/l	
77) Bromobenzene	10.45	156	151793	49.87	ug/l	94
78) n-propylbenzene	10.59	91	674400	47.62	ug/l	97
79) 2-Chlorotoluene	10.66	91	401455	48.07	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	505639	48.52	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	55357m	37.16	ug/l	
82) 4-Chlorotoluene	10.78	91	465481	47.89	ug/l	99
83) tert-Butylbenzene	11.10	119	511931	51.07	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	519609	48.93	ug/l	100
85) sec-Butylbenzene	11.33	105	616482	49.13	ug/l	98
86) p-Isopropyltoluene	11.48	119	545396	48.54	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	275183	48.94	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	276641	48.88	ug/l	100
89) n-Butylbenzene	11.89	91	468261	46.94	ug/l	96
90) Hexachloroethane	12.15	117	95381	43.51	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	283679	50.37	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	58609	52.72	ug/l	93
93) 1,2,4-Trichlorobenzene	13.51	180	195989	56.35	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	99259	50.70	ug/l	99
95) Naphthalene	13.74	128	682343	59.14	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	205699	59.35	ug/l	99

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

