

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061818\
 Data File : VU024733.D
 Acq On : 19 Jun 2018 09:10
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:10 PM

Quant Time: Jun 19 09:55:49 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	163300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	267121	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	256084	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	153993	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	130062	48.79	ug/l	0.00
Spiked Amount			Recovery	=	97.58%	
35) Dibromofluoromethane	4.89	113	107220	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	7.57	98	398145	49.24	ug/l	0.00
Spiked Amount			Recovery	=	98.48%	
62) 4-Bromofluorobenzene	10.31	95	154463	48.11	ug/l	0.00
Spiked Amount			Recovery	=	96.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	84064	41.13	ug/l	99
3) Chloromethane	1.33	50	97249	46.57	ug/l	100
4) Vinyl Chloride	1.40	62	103821	48.21	ug/l	96
5) Bromomethane	1.62	94	64563	62.02	ug/l	99
6) Chloroethane	1.69	64	66600	55.46	ug/l	98
7) Trichlorofluoromethane	1.89	101	165867	50.47	ug/l	98
8) Diethyl Ether	2.10	74	64738	58.19	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	2.29	101	89901	44.09	ug/l	96
10) Methyl Iodide	2.41	142	95636	54.85	ug/l	97
11) Tert butyl alcohol	2.82	59	153168	236.23	ug/l	99
12) 1,1-Dichloroethene	2.28	96	89805	48.30	ug/l	89
13) Acrolein	2.19	56	3860	11.34	ug/l	98
14) Allyl chloride	2.59	41	129685	37.56	ug/l	93
15) Acrylonitrile	2.93	53	341199	270.47	ug/l	99
16) Acetone	2.32	43	294906	205.88	ug/l	99
17) Carbon Disulfide	2.48	76	250437	42.06	ug/l	100
18) Methyl Acetate	2.62	43	211779	68.97	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	344452	49.28	ug/l	98
20) Methylene Chloride	2.70	84	106008	47.17	ug/l	97
21) trans-1,2-Dichloroethene	2.99	96	95727	46.74	ug/l	95
22) Diisopropyl ether	3.57	45	344967	50.40	ug/l	99
23) Vinyl Acetate	3.53	43	1280169	208.81	ug/l	98
24) 1,1-Dichloroethane	3.45	63	191910	48.74	ug/l	100
25) 2-Butanone	4.26	43	484825	251.99	ug/l	97
26) 2,2-Dichloropropane	4.23	77	41841	11.19	ug/l	81
27) cis-1,2-Dichloroethene	4.23	96	114572	48.66	ug/l	90
28) Bromochloromethane	4.55	49	89774	51.77	ug/l	87
29) Tetrahydrofuran	4.63	42	310001	260.18	ug/l	97
30) Chloroform	4.68	83	197439	49.55	ug/l	99
31) Cyclohexane	5.00	56	170016	48.57	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	177168	48.08	ug/l	97
36) 1,1-Dichloropropene	5.14	75	142971	45.55	ug/l	97
37) Ethyl Acetate	4.38	43	175914	51.42	ug/l	97
38) Carbon Tetrachloride	5.14	117	158948	46.05	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	164198	41.92	ug/l	95
40) Benzene	5.39	78	429805	48.05	ug/l	98
41) Methacrylonitrile	4.54	41	98694	53.51	ug/l	97
42) 1,2-Dichloroethane	5.41	62	165693	48.64	ug/l	99
43) Isopropyl Acetate	5.55	43	280997	47.52	ug/l	99
44) Trichloroethene	6.19	130	117288	46.08	ug/l	97
45) 1,2-Dichloropropane	6.44	63	117603	49.28	ug/l	97
46) Dibromomethane	6.56	93	83564	49.85	ug/l	96
47) Bromodichloromethane	6.76	83	158914	47.61	ug/l	97
48) Methyl methacrylate	6.63	41	143882	49.97	ug/l	98
49) 1,4-Dioxane	6.61	88	65864	1169.59	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	962848	259.16	ug/l	99
52) Toluene	7.64	92	278236	48.35	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	144835	38.64	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	150965	37.79	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	118293	50.57	ug/l	98
56) Ethyl methacrylate	8.02	69	196012	50.07	ug/l	99
57) 1,3-Dichloropropane	8.25	76	197884	50.15	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	402395	268.29	ug/l	96
59) 2-Hexanone	8.36	43	754796	248.85	ug/l	99
60) Dibromochloromethane	8.48	129	138747	47.57	ug/l	100
61) 1,2-Dibromoethane	8.59	107	130027	49.94	ug/l	100
64) Tetrachloroethene	8.23	164	132547	54.45	ug/l	98
65) Chlorobenzene	9.12	112	316823	48.43	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	122228	49.18	ug/l	98
67) Ethyl Benzene	9.25	91	538498	46.95	ug/l	97
68) m/p-Xylenes	9.38	106	422030	95.83	ug/l	97
69) o-Xylene	9.78	106	214249	49.16	ug/l	95
70) Styrene	9.80	104	351833	49.12	ug/l	99
71) Bromoform	9.96	173	111537	47.21	ug/l #	100
73) Isopropylbenzene	10.17	105	565644	47.84	ug/l	99
74) N-amyl acetate	10.01	43	250852	44.61	ug/l	97
75) 1,1,2,2-Tetrachloroethane	10.46	83	202320	51.07	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	174570m	51.49	ug/l	
77) Bromobenzene	10.46	156	146348	48.89	ug/l	95
78) n-propylbenzene	10.59	91	639345	45.91	ug/l	97
79) 2-Chlorotoluene	10.66	91	389308	47.40	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	488988	47.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.50	75	212104	144.79	ug/l #	100
82) 4-Chlorotoluene	10.78	91	448873	46.96	ug/l	98
83) tert-Butylbenzene	11.10	119	467502	47.43	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	503237	48.19	ug/l	100
85) sec-Butylbenzene	11.33	105	582399	47.20	ug/l	98
86) p-Isopropyltoluene	11.48	119	513179	46.44	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	266574	48.21	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	266445	47.87	ug/l	99
89) n-Butylbenzene	11.89	91	418401	42.65	ug/l	98
90) Hexachloroethane	12.15	117	97692	45.32	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	276196	49.87	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	56543	51.72	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	178245	52.11	ug/l	100
94) Hexachlorobutadiene	13.70	225	82943	43.08	ug/l	99
95) Naphthalene	13.74	128	634952	55.99	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	192471	56.47	ug/l	99

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

