

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092618\
 Data File : VU027161.D
 Acq On : 26 Sep 2018 05:12
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/27/2018 3:33:17 PM

Quant Time: Sep 26 07:35:01 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	73399	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	131201	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	128078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	70652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	83589	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	4.88	113	57499	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	7.57	98	219202	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
62) 4-Bromofluorobenzene	10.31	95	79571	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	44492	46.427	ug/l	100
3) Chloromethane	1.33	50	74832	45.291	ug/l	99
4) Vinyl Chloride	1.40	62	73956	47.952	ug/l	98
5) Bromomethane	1.62	94	29898	34.042	ug/l	96
6) Chloroethane	1.69	64	47645	48.349	ug/l	100
7) Trichlorofluoromethane	1.88	101	84244	48.093	ug/l	98
8) Diethyl Ether	2.10	74	41828	49.610	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50145	46.558	ug/l	98
10) Methyl Iodide	2.41	142	27653	20.701	ug/l	99
11) Tert butyl alcohol	2.83	59	83379	246.245	ug/l	99
12) 1,1-Dichloroethene	2.28	96	49260	48.592	ug/l	99
13) Acrolein	2.20	56	37226	203.945	ug/l	99
14) Allyl chloride	2.59	41	104271	50.712	ug/l	99
15) Acrylonitrile	2.94	53	238608	279.594	ug/l	99
16) Acetone	2.32	43	219757	282.182	ug/l	98
17) Carbon Disulfide	2.48	76	151071	45.745	ug/l	100
18) Methyl Acetate	2.61	43	97573	46.405	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	210396	56.478	ug/l	99
20) Methylene Chloride	2.70	84	65593	49.578	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	54719	50.556	ug/l	98
22) Diisopropyl ether	3.57	45	260088	59.140	ug/l	97
23) Vinyl Acetate	3.53	43	821953	219.255	ug/l	98
24) 1,1-Dichloroethane	3.45	63	132633	54.758	ug/l	99
25) 2-Butanone	4.26	43	337253	271.653	ug/l	97
26) 2,2-Dichloropropane	4.23	77	45467	24.069	ug/l	93
27) cis-1,2-Dichloroethene	4.23	96	64088	52.431	ug/l	97
28) Bromochloromethane	4.55	49	71386	61.139	ug/l	92
29) Tetrahydrofuran	4.64	42	221338	294.718	ug/l	96
30) Chloroform	4.67	83	119056	52.952	ug/l	100
31) Cyclohexane	5.00	56	113037	51.354	ug/l	95
32) 1,1,1-Trichloroethane	4.92	97	95953	53.452	ug/l	99
36) 1,1-Dichloropropene	5.14	75	84732	48.390	ug/l	98
37) Ethyl Acetate	4.38	43	99937	42.160	ug/l	99
38) Carbon Tetrachloride	5.14	117	80179	48.117	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	91636	48.157	ug/l	98
40) Benzene	5.39	78	263203	49.446	ug/l	100
41) Methacrylonitrile	4.54	41	72116	58.580	ug/l	96
42) 1,2-Dichloroethane	5.40	62	105148	52.283	ug/l	98
43) Isopropyl Acetate	5.55	43	165404	47.846	ug/l	98
44) Trichloroethene	6.19	130	53843	47.513	ug/l	96
45) 1,2-Dichloropropane	6.43	63	79582	52.469	ug/l	97
46) Dibromomethane	6.56	93	45997	50.214	ug/l	97
47) Bromodichloromethane	6.76	83	92818	50.111	ug/l	99
48) Methyl methacrylate	6.62	41	98431	52.267	ug/l	98
49) 1,4-Dioxane	6.61	88	30613	818.937	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	658481	283.214	ug/l	98
52) Toluene	7.64	92	155402	50.931	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	92250	46.355	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	97119	44.384	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	66046	51.085	ug/l	99
56) Ethyl methacrylate	8.02	69	109645	48.927	ug/l	98
57) 1,3-Dichloropropane	8.24	76	126601	52.649	ug/l	99
59) 2-Hexanone	8.36	43	496952	273.053	ug/l	98
60) Dibromochloromethane	8.48	129	65286	51.481	ug/l	99
61) 1,2-Dibromoethane	8.59	107	67984	50.539	ug/l	97
64) Tetrachloroethene	8.23	164	44688	45.280	ug/l	97
65) Chlorobenzene	9.12	112	158985	46.815	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	59627	50.976	ug/l	98
67) Ethyl Benzene	9.25	91	290742	52.064	ug/l	99
68) m/p-Xylenes	9.38	106	215983	95.568	ug/l	98
69) o-Xylene	9.78	106	104377	52.753	ug/l	97
70) Styrene	9.79	104	175519	47.600	ug/l	99
71) Bromoform	9.96	173	46372	51.266	ug/l #	100
73) Isopropylbenzene	10.17	105	281355	52.351	ug/l	99
74) N-amyl acetate	10.02	43	128421	41.280	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	115574	46.772	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	101900m	47.475	ug/l	
77) Bromobenzene	10.45	156	63576	48.408	ug/l	93
78) n-propylbenzene	10.59	91	338157	53.176	ug/l	98
79) 2-Chlorotoluene	10.66	91	202782	50.767	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	234924	52.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	22960m	34.232	ug/l	
82) 4-Chlorotoluene	10.77	91	233259	52.080	ug/l	97
83) tert-Butylbenzene	11.10	119	225087	51.318	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	240330	53.230	ug/l	98
85) sec-Butylbenzene	11.32	105	280522	52.393	ug/l	100
86) p-Isopropyltoluene	11.48	119	236565	47.141	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	115635	47.314	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	116658	43.797	ug/l	98
89) n-Butylbenzene	11.89	91	214154	44.261	ug/l	99
90) Hexachloroethane	12.15	117	45431	46.661	ug/l	95
91) 1,2-Dichlorobenzene	11.88	146	119225	45.925	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25637	50.857	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	72953	48.764	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	34816	43.983	ug/l	100
95) Naphthalene	13.74	128	271600	46.553	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	78896	49.177	ug/l	98

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

