

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092818\
 Data File : VU027257.D
 Acq On : 28 Sep 2018 09:39
 Operator : MD/SY
 Sample : VU0928WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0928WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 1:07:34 PM

Quant Time: Sep 28 16:47:06 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	4.98	168	83305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	140916	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	135274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	71522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	78213	46.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.30%	
35) Dibromofluoromethane	4.88	113	56885	46.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.14%	
50) Toluene-d8	7.57	98	207974	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	
62) 4-Bromofluorobenzene	10.31	95	77064	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	24051	22.113	ug/l	96
3) Chloromethane	1.33	50	37664	20.085	ug/l	99
4) Vinyl Chloride	1.40	62	35846	20.478	ug/l	99
5) Bromomethane	1.62	94	19876	19.940	ug/l	98
6) Chloroethane	1.70	64	22865	20.444	ug/l	99
7) Trichlorofluoromethane	1.88	101	39792	20.015	ug/l	97
8) Diethyl Ether	2.11	74	18478	19.310	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.29	101	22854	18.696	ug/l	99
10) Methyl Iodide	2.41	142	12086	7.972	ug/l	98
11) Tert butyl alcohol	2.82	59	35518	92.422	ug/l	99
12) 1,1-Dichloroethene	2.29	96	21617	18.788	ug/l	99
13) Acrolein	2.19	56	11160	53.870	ug/l	98
14) Allyl chloride	2.59	41	52904	22.670	ug/l	95
15) Acrylonitrile	2.94	53	99990	103.233	ug/l	99
16) Acetone	2.32	43	104137	107.468	ug/l	98
17) Carbon Disulfide	2.48	76	77172	20.589	ug/l	99
18) Methyl Acetate	2.62	43	55063	23.073	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	91228	21.577	ug/l	100
20) Methylene Chloride	2.70	84	29057	19.351	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	25826	21.024	ug/l	99
22) Diisopropyl ether	3.57	45	114015	22.842	ug/l	98
23) Vinyl Acetate	3.53	43	475125	111.668	ug/l	100
24) 1,1-Dichloroethane	3.45	63	58888	21.421	ug/l	99
25) 2-Butanone	4.26	43	148530	105.412	ug/l	97
26) 2,2-Dichloropropane	4.23	77	46804	21.831	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29154	21.015	ug/l	96
28) Bromochloromethane	4.55	49	27472	20.731	ug/l	95
29) Tetrahydrofuran	4.64	42	90848	106.582	ug/l	98
30) Chloroform	4.67	83	53077	20.800	ug/l	100
31) Cyclohexane	5.00	56	56074	22.118	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	43606	21.403	ug/l	99
36) 1,1-Dichloropropene	5.14	75	39156	20.820	ug/l	98
37) Ethyl Acetate	4.38	43	52281	20.535	ug/l	98
38) Carbon Tetrachloride	5.13	117	36424	20.352	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	45407	22.217	ug/l	95
40) Benzene	5.39	78	117723	20.591	ug/l	98
41) Methacrylonitrile	4.54	41	29489	22.303	ug/l	97
42) 1,2-Dichloroethane	5.40	62	44558	20.628	ug/l	100
43) Isopropyl Acetate	5.55	43	79013	21.280	ug/l	99
44) Trichloroethene	6.19	130	25294	20.781	ug/l	98
45) 1,2-Dichloropropane	6.43	63	34240	21.018	ug/l	95
46) Dibromomethane	6.56	93	20057	20.386	ug/l	100
47) Bromodichloromethane	6.76	83	40259	20.237	ug/l	98
48) Methyl methacrylate	6.62	41	40007	20.408	ug/l	99
49) 1,4-Dioxane	6.61	88	14377	357.114	ug/l	99
51) 4-Methyl-2-Pentanone	7.46	43	265932	106.493	ug/l	100
52) Toluene	7.64	92	70767	21.594	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	46997	21.987	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	50175	21.349	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	28741	20.698	ug/l	99
56) Ethyl methacrylate	8.02	69	45423	20.219	ug/l	98
57) 1,3-Dichloropropane	8.24	76	54290	21.021	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	116871	88.671	ug/l	99
59) 2-Hexanone	8.36	43	204032	104.378	ug/l	99
60) Dibromochloromethane	8.48	129	27753	20.376	ug/l	98
61) 1,2-Dibromoethane	8.59	107	29152	20.177	ug/l	99
64) Tetrachloroethene	8.23	164	22007	21.112	ug/l	97
65) Chlorobenzene	9.12	112	72117	20.106	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25750	20.843	ug/l	98
67) Ethyl Benzene	9.25	91	126553	21.457	ug/l	100
68) m/p-Xylenes	9.38	106	94949	40.654	ug/l	98
69) o-Xylene	9.78	106	45595	21.818	ug/l	99
70) Styrene	9.79	104	73042	19.852	ug/l	98
71) Bromoform	9.96	173	19666	20.585	ug/l #	98
73) Isopropylbenzene	10.17	105	125148	23.003	ug/l	97
74) N-amyl acetate	10.02	43	67954	21.578	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	48818	19.516	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43891m	20.200	ug/l	
77) Bromobenzene	10.45	156	27591	20.753	ug/l	94
78) n-propylbenzene	10.59	91	148344	23.044	ug/l	99
79) 2-Chlorotoluene	10.66	91	90190	22.305	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	102688	22.865	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	12519m	18.438	ug/l	
82) 4-Chlorotoluene	10.77	91	102182	22.537	ug/l	99
83) tert-Butylbenzene	11.10	119	97244	21.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	105145	23.005	ug/l	98
85) sec-Butylbenzene	11.32	105	123930	22.865	ug/l	99
86) p-Isopropyltoluene	11.48	119	103070	20.818	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	51007	20.617	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	52603	19.508	ug/l	98
89) n-Butylbenzene	11.89	91	92041	20.168	ug/l	98
90) Hexachloroethane	12.15	117	19430	19.713	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	51780	19.703	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10359	20.300	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	30751	20.305	ug/l	98
94) Hexachlorobutadiene	13.69	225	17112	21.355	ug/l	99
95) Naphthalene	13.75	128	103680	18.607	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	33396	20.563	ug/l	99

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

