

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121518\
 Data File : VU028687.D
 Acq On : 14 Dec 2018 16:51
 Operator : MD/SY
 Sample : VU1215WBSD02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1215WBSD02

Manual Integrations
 APPROVED

MMDadoda
 12/17/2018 9:48:49 AM

Quant Time: Dec 15 01:06:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:39:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	68669	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	123421	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	116378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	53542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	61752	58.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.86%	
35) Dibromofluoromethane	4.88	113	43977	56.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.24%	
50) Toluene-d8	7.57	98	162624	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	
62) 4-Bromofluorobenzene	10.30	95	59195	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	16771	18.221	ug/l	98
3) Chloromethane	1.33	50	31656	18.707	ug/l	98
4) Vinyl Chloride	1.40	62	22543	18.460	ug/l	98
5) Bromomethane	1.61	94	9513	19.339	ug/l	98
6) Chloroethane	1.69	64	12941	18.719	ug/l	98
7) Trichlorofluoromethane	1.88	101	24562	19.117	ug/l	100
8) Diethyl Ether	2.10	74	12490	20.778	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.28	101	14982	19.497	ug/l	96
10) Methyl Iodide	2.41	142	16082	26.673	ug/l	98
11) Tert butyl alcohol	2.83	59	29473	126.236	ug/l	98
12) 1,1-Dichloroethene	2.28	96	14121	18.470	ug/l	97
13) Acrolein	2.19	56	17714	95.173	ug/l	95
14) Allyl chloride	2.59	41	40520	22.403	ug/l	91
15) Acrylonitrile	2.94	53	74199	114.469	ug/l	98
16) Acetone	2.32	43	67970	99.397	ug/l	97
17) Carbon Disulfide	2.48	76	48685	17.676	ug/l	99
18) Methyl Acetate	2.61	43	45765	25.817	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	62306	21.497	ug/l	100
20) Methylene Chloride	2.70	84	20410	20.247	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	16603	19.287	ug/l	99
22) Diisopropyl ether	3.57	45	78104	22.206	ug/l	98
23) Vinyl Acetate	3.52	43	323970	111.668	ug/l	99
24) 1,1-Dichloroethane	3.44	63	38261	20.781	ug/l	100
25) 2-Butanone	4.26	43	106097	113.532	ug/l	97
26) 2,2-Dichloropropane	4.23	77	29725	20.376	ug/l	100
27) cis-1,2-Dichloroethene	4.22	96	19801	20.323	ug/l	97
28) Bromochloromethane	4.55	49	20752	24.794	ug/l	97
29) Tetrahydrofuran	4.64	42	72207	120.309	ug/l	97
30) Chloroform	4.67	83	36437	22.707	ug/l	93
31) Cyclohexane	4.99	56	33955	18.136	ug/l	98
32) 1,1,1-Trichloroethane	4.92	97	28461	21.356	ug/l	97
36) 1,1-Dichloropropene	5.13	75	25063	18.557	ug/l	98
37) Ethyl Acetate	4.38	43	38499	22.051	ug/l	98
38) Carbon Tetrachloride	5.13	117	22340	20.522	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	27944	16.960	ug/l	99
40) Benzene	5.39	78	80476	20.232	ug/l	98
41) Methacrylonitrile	4.54	41	22109	23.123	ug/l	96
42) 1,2-Dichloroethane	5.40	62	30253	21.728	ug/l	96
43) Isopropyl Acetate	5.55	43	61384	22.229	ug/l	100
44) Trichloroethene	6.19	130	16953	19.168	ug/l	92
45) 1,2-Dichloropropane	6.43	63	24766	22.141	ug/l	99
46) Dibromomethane	6.56	93	14679	22.117	ug/l	98
47) Bromodichloromethane	6.76	83	28053	21.721	ug/l	99
48) Methyl methacrylate	6.62	41	30837	22.455	ug/l	98
49) 1,4-Dioxane	6.61	88	9759	450.058	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	198063	113.718	ug/l	98
52) Toluene	7.64	92	45055	19.246	ug/l	97
53) t-1,3-Dichloropropene	7.88	75	32205	20.938	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	35161	21.070	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	20837	22.517	ug/l	98
56) Ethyl methacrylate	8.02	69	33595	21.200	ug/l	98
57) 1,3-Dichloropropane	8.24	76	35922	20.912	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.12	63	88652	109.222	ug/l	98
59) 2-Hexanone	8.36	43	151906	110.038	ug/l	99
60) Dibromochloromethane	8.48	129	19816	21.872	ug/l	99
61) 1,2-Dibromoethane	8.58	107	21332	21.983	ug/l	99
64) Tetrachloroethene	8.23	164	14259	18.369	ug/l	94
65) Chlorobenzene	9.12	112	47600	19.194	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	17272	21.810	ug/l	99
67) Ethyl Benzene	9.25	91	84495	18.534	ug/l	100
68) m/p-Xylenes	9.37	106	63689	38.394	ug/l	99
69) o-Xylene	9.78	106	30944	19.195	ug/l	97
70) Styrene	9.79	104	50130	18.790	ug/l	98
71) Bromoform	9.96	173	15187	22.544	ug/l #	99
73) Isopropylbenzene	10.16	105	79357	19.315	ug/l	99
74) N-amyl acetate	10.01	43	52166	22.012	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	37230	23.590	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	32558m	23.814	ug/l	
77) Bromobenzene	10.45	156	20044	20.860	ug/l	99
78) n-propylbenzene	10.58	91	95572	18.721	ug/l	98
79) 2-Chlorotoluene	10.66	91	60440	20.553	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	66740	19.624	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	13625m	24.769	ug/l	
82) 4-Chlorotoluene	10.77	91	67887	19.481	ug/l	100
83) tert-Butylbenzene	11.10	119	64780	19.762	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	67824	19.351	ug/l	99
85) sec-Butylbenzene	11.32	105	78727	18.695	ug/l	100
86) p-Isopropyltoluene	11.47	119	64828	18.123	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	35386	19.503	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	36004	19.180	ug/l	98
89) n-Butylbenzene	11.89	91	61574	17.008	ug/l	98
90) Hexachloroethane	12.14	117	11853	21.922	ug/l	97
91) 1,2-Dichlorobenzene	11.88	146	35729	19.687	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	7916	23.168	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	21342	17.668	ug/l	99
94) Hexachlorobutadiene	13.69	225	10226	17.201	ug/l	96
95) Naphthalene	13.74	128	78197	17.956	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	22711	18.391	ug/l	99

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

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