

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028791.D
 Acq On : 19 Dec 2018 14:08
 Operator : MD/SY
 Sample : VU1219WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU1219WBS01

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:38 AM

Quant Time: Dec 20 06:06:05 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	112444	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	188271	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	174235	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	83220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	75721	44.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.26%	
35) Dibromofluoromethane	4.88	113	62882	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	7.56	98	241556	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	10.31	95	84918	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.21	85	27855	18.482	ug/l 99
3) Chloromethane	1.33	50	46759	16.875	ug/l 99
4) Vinyl Chloride	1.40	62	38839	19.423	ug/l 99
5) Bromomethane	1.61	94	18777	23.311	ug/l 97
6) Chloroethane	1.69	64	22804	20.144	ug/l 98
7) Trichlorofluoromethane	1.88	101	40212	19.114	ug/l 97
8) Diethyl Ether	2.10	74	19150	19.455	ug/l 87
9) 1,1,2-Trichlorotrifluoroet	2.28	101	25221	20.044	ug/l 98
10) Methyl Iodide	2.41	142	26699	27.043	ug/l 94
11) Tert butyl alcohol	2.83	59	34409	90.003	ug/l 97
12) 1,1-Dichloroethene	2.28	96	26064	20.819	ug/l 88
13) Acrolein	2.19	56	25010	82.061	ug/l 98
14) Allyl chloride	2.59	41	48006	16.209	ug/l 92
15) Acrylonitrile	2.93	53	100539	94.722	ug/l 99
16) Acetone	2.32	43	83832	74.867	ug/l 92
17) Carbon Disulfide	2.48	76	86491	19.177	ug/l 100
18) Methyl Acetate	2.61	43	53988	18.599	ug/l 94
19) Methyl tert-butyl Ether	3.00	73	90921	19.158	ug/l 97
20) Methylene Chloride	2.70	84	32817	19.881	ug/l 87
21) trans-1,2-Dichloroethene	2.98	96	28460	20.191	ug/l 93
22) Diisopropyl ether	3.57	45	102162	17.738	ug/l 96
23) Vinyl Acetate	3.52	43	397824	83.741	ug/l # 95
24) 1,1-Dichloroethane	3.44	63	57060	18.926	ug/l 100
25) 2-Butanone	4.26	43	129385	84.552	ug/l 96
26) 2,2-Dichloropropane	4.23	77	42273	17.696	ug/l 94
27) cis-1,2-Dichloroethene	4.23	96	32349	20.276	ug/l 91
28) Bromochloromethane	4.55	49	24086	17.574	ug/l 85
29) Tetrahydrofuran	4.64	42	86221	87.731	ug/l 92
30) Chloroform	4.67	83	51693	19.673	ug/l 98
31) Cyclohexane	4.99	56	53709	17.477	ug/l 95
32) 1,1,1-Trichloroethane	4.91	97	41837	19.171	ug/l 97
36) 1,1-Dichloropropene	5.14	75	40781	19.794	ug/l 98
37) Ethyl Acetate	4.38	43	45731	17.171	ug/l # 95
38) Carbon Tetrachloride	5.14	117	33209	19.999	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	48224	19.186	ug/l	96
40) Benzene	5.39	78	128514	21.180	ug/l	98
41) Methacrylonitrile	4.54	41	26323	18.048	ug/l	94
42) 1,2-Dichloroethane	5.40	62	40035	18.849	ug/l	98
43) Isopropyl Acetate	5.55	43	74833	17.765	ug/l #	95
44) Trichloroethene	6.18	130	30122	22.326	ug/l	88
45) 1,2-Dichloropropane	6.43	63	35588	20.857	ug/l	96
46) Dibromomethane	6.56	93	21123	20.864	ug/l	92
47) Bromodichloromethane	6.76	83	39454	20.026	ug/l	99
48) Methyl methacrylate	6.62	41	37226	17.770	ug/l	89
49) 1,4-Dioxane	6.61	88	14597	441.298	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	237766	89.491	ug/l	94
52) Toluene	7.64	92	76236	21.348	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	45927	19.574	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	50611	19.882	ug/l #	90
55) 1,1,2-Trichloroethane	8.06	97	31292	22.168	ug/l	95
56) Ethyl methacrylate	8.02	69	47796	19.772	ug/l	89
57) 1,3-Dichloropropane	8.24	76	54262	20.708	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	111202	89.813	ug/l	96
59) 2-Hexanone	8.36	43	178079	84.564	ug/l	91
60) Dibromochloromethane	8.48	129	28910	20.918	ug/l	99
61) 1,2-Dibromoethane	8.59	107	32521	21.969	ug/l	97
64) Tetrachloroethene	8.22	164	25602	22.029	ug/l	97
65) Chlorobenzene	9.12	112	79956	21.535	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	25839	21.794	ug/l	95
67) Ethyl Benzene	9.25	91	138226	20.252	ug/l	99
68) m/p-Xylenes	9.37	106	108398	43.647	ug/l	92
69) o-Xylene	9.78	106	51110	21.177	ug/l	96
70) Styrene	9.79	104	84093	21.054	ug/l	96
71) Bromoform	9.96	173	21997	21.810	ug/l #	99
73) Isopropylbenzene	10.16	105	132460	20.743	ug/l	99
74) N-amyl acetate	10.01	43	61900	16.805	ug/l	91
75) 1,1,2,2-Tetrachloroethane	10.46	83	52718	21.491	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	46420m	21.844	ug/l	
77) Bromobenzene	10.45	156	33632	22.519	ug/l	90
78) n-propylbenzene	10.58	91	159170	20.059	ug/l	98
79) 2-Chlorotoluene	10.66	91	94907	20.764	ug/l	97
80) 1,3,5-Trimethylbenzene	10.77	105	109598	20.734	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	14967m	17.659	ug/l	
82) 4-Chlorotoluene	10.77	91	105363	19.453	ug/l	97
83) tert-Butylbenzene	11.10	119	107603	21.120	ug/l	96
84) 1,2,4-Trimethylbenzene	11.15	105	111715	20.507	ug/l	96
85) sec-Butylbenzene	11.32	105	132951	20.312	ug/l	99
86) p-Isopropyltoluene	11.47	119	110682	19.907	ug/l	97
87) 1,3-Dichlorobenzene	11.41	146	59497	21.098	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	59650	20.444	ug/l	100
89) n-Butylbenzene	11.89	91	99430	17.670	ug/l	99
90) Hexachloroethane	12.14	117	17522	20.850	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	60409	21.415	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10520	19.809	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	35314	18.754	ug/l	98
94) Hexachlorobutadiene	13.69	225	17330	18.755	ug/l	97
95) Naphthalene	13.74	128	123837	18.295	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	38053	19.814	ug/l	99

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

