

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028494.D
 Acq On : 06 Dec 2018 12:10
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:34:50 AM

Quant Time: Dec 07 00:22:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U120618W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 07 00:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	103081	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	183915	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	169119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	81604	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	30596	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
35) Dibromofluoromethane	4.88	113	21388	18.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.96%	
50) Toluene-d8	7.57	98	84793	18.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.04%	
62) 4-Bromofluorobenzene	10.30	95	31030	18.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	29810	21.576	ug/l	100
3) Chloromethane	1.33	50	50201	19.763	ug/l	99
4) Vinyl Chloride	1.41	62	37491	20.452	ug/l	99
5) Bromomethane	1.63	94	15586	21.107	ug/l	100
6) Chloroethane	1.70	64	21402	20.623	ug/l	100
7) Trichlorofluoromethane	1.89	101	39927	20.702	ug/l	99
8) Diethyl Ether	2.10	74	18388	20.378	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.29	101	23887	20.709	ug/l	98
10) Methyl Iodide	2.41	142	17376	19.198	ug/l	99
11) Tert butyl alcohol	2.82	59	37801	107.856	ug/l	99
12) 1,1-Dichloroethene	2.29	96	23008	20.047	ug/l	98
13) Acrolein	2.20	56	27397	98.058	ug/l	98
14) Allyl chloride	2.59	41	53458	19.690	ug/l	98
15) Acrylonitrile	2.94	53	101005	103.804	ug/l	99
16) Acetone	2.32	43	104019	101.333	ug/l	99
17) Carbon Disulfide	2.48	76	82256	19.895	ug/l	99
18) Methyl Acetate	2.62	43	54928	20.642	ug/l	99
19) Methyl tert-butyl Ether	3.00	73	89763	20.632	ug/l	99
20) Methylene Chloride	2.70	84	29872	19.741	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	27174	21.029	ug/l	94
22) Diisopropyl ether	3.57	45	109869	20.809	ug/l	97
23) Vinyl Acetate	3.52	43	448210	102.917	ug/l	100
24) 1,1-Dichloroethane	3.45	63	55809	20.193	ug/l	99
25) 2-Butanone	4.26	43	148408	105.792	ug/l	97
26) 2,2-Dichloropropane	4.23	77	44706	20.415	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	29961	20.485	ug/l	100
28) Bromochloromethane	4.55	49	27191	21.642	ug/l	100
29) Tetrahydrofuran	4.64	42	94232	104.592	ug/l	99
30) Chloroform	4.67	83	50412	20.928	ug/l	99
31) Cyclohexane	5.00	56	57430	17.714	ug/l	99
32) 1,1,1-Trichloroethane	4.92	97	41373	20.680	ug/l	98
36) 1,1-Dichloropropene	5.14	75	39002	19.379	ug/l	99
37) Ethyl Acetate	4.38	43	53067	20.398	ug/l	100
38) Carbon Tetrachloride	5.13	117	32669	20.140	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	48612	19.799	ug/l	98
40) Benzene	5.39	78	118974	20.072	ug/l	99
41) Methacrylonitrile	4.54	41	29372	20.615	ug/l	98
42) 1,2-Dichloroethane	5.40	62	41764	20.129	ug/l	98
43) Isopropyl Acetate	5.55	43	84225	20.468	ug/l	99
44) Trichloroethene	6.19	130	26575	20.164	ug/l	99
45) 1,2-Dichloropropane	6.43	63	34260	20.554	ug/l	98
46) Dibromomethane	6.56	93	19791	20.011	ug/l	98
47) Bromodichloromethane	6.76	83	38726	20.123	ug/l	99
48) Methyl methacrylate	6.62	41	41260	20.162	ug/l	99
49) 1,4-Dioxane	6.61	88	13679	423.340	ug/l	96
51) 4-Methyl-2-Pentanone	7.46	43	262140	101.002	ug/l	100
52) Toluene	7.64	92	70522	20.216	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	44975	19.622	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	48515	19.510	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	27875	20.215	ug/l	96
56) Ethyl methacrylate	8.02	69	46828	19.831	ug/l	99
57) 1,3-Dichloropropane	8.24	76	50990	19.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	122875	101.591	ug/l	100
59) 2-Hexanone	8.36	43	205386	99.842	ug/l	100
60) Dibromochloromethane	8.48	129	26238	19.435	ug/l	100
61) 1,2-Dibromoethane	8.58	107	29506	20.405	ug/l	100
64) Tetrachloroethene	8.22	164	22451	19.902	ug/l	96
65) Chlorobenzene	9.12	112	72601	20.146	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.21	131	23664	20.563	ug/l	99
67) Ethyl Benzene	9.25	91	132401	19.985	ug/l	99
68) m/p-Xylenes	9.37	106	97469	40.433	ug/l	100
69) o-Xylene	9.78	106	46958	20.045	ug/l	98
70) Styrene	9.79	104	76516	19.737	ug/l	99
71) Bromoform	9.96	173	19600	20.021	ug/l #	100
73) Isopropylbenzene	10.17	105	126537	20.208	ug/l	99
74) N-amyl acetate	10.01	43	70269	19.455	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	47904	19.915	ug/l	98
76) 1,2,3-Trichloropropane	10.49	75	43356m	18.416	ug/l	
77) Bromobenzene	10.45	156	29149	19.904	ug/l	99
78) n-propylbenzene	10.58	91	154574	19.866	ug/l	100
79) 2-Chlorotoluene	10.66	91	90399	20.170	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	104430	20.147	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	15333m	13.169	ug/l	
82) 4-Chlorotoluene	10.77	91	104785	19.729	ug/l	99
83) tert-Butylbenzene	11.10	119	100032	20.022	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	106905	20.013	ug/l	100
85) sec-Butylbenzene	11.32	105	128686	20.050	ug/l	100
86) p-Isopropyltoluene	11.48	119	107301	19.681	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	53451	19.329	ug/l	100
88) 1,4-Dichlorobenzene	11.50	146	54069	18.898	ug/l	98
89) n-Butylbenzene	11.89	91	105827	19.179	ug/l	99
90) Hexachloroethane	12.14	117	15993	19.407	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	51870	18.752	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.66	75	10317	19.811	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	35891	18.098	ug/l	99
94) Hexachlorobutadiene	13.69	225	17017	18.781	ug/l	97
95) Naphthalene	13.74	128	125853	18.961	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	37303	18.697	ug/l	99

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

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