

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011019\
 Data File : VU029113.D
 Acq On : 10 Jan 2019 13:03
 Operator : MD/SY
 Sample : VU0110WBS01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0110WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/11/2019 10:03:39 AM

Quant Time: Jan 11 03:27:21 2019
 Quant Method : Z:\HPCHEM1\MSVOA_U\METHOD\82U010319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 04 02:22:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	142994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	237545	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	217806	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	104421	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	88737	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
35) Dibromofluoromethane	4.88	113	75997	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
50) Toluene-d8	7.56	98	295451	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	10.30	95	103870	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	26847	18.932	ug/l	99
3) Chloromethane	1.33	50	40578	17.473	ug/l	99
4) Vinyl Chloride	1.40	62	40115	19.196	ug/l	99
5) Bromomethane	1.62	94	24200	20.747	ug/l	100
6) Chloroethane	1.69	64	25229	20.268	ug/l	99
7) Trichlorofluoromethane	1.88	101	46742	20.526	ug/l	98
8) Diethyl Ether	2.10	74	22760	20.804	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.28	101	30132	19.776	ug/l	98
10) Methyl Iodide	2.41	142	31143	21.738	ug/l	99
11) Tert butyl alcohol	2.83	59	50439	112.256	ug/l	99
12) 1,1-Dichloroethene	2.28	96	30116	20.307	ug/l	97
13) Acrolein	2.19	56	29971	88.832	ug/l	100
14) Allyl chloride	2.59	41	49196	18.079	ug/l	92
15) Acrylonitrile	2.93	53	116039	105.267	ug/l	100
16) Acetone	2.32	43	95091	85.393	ug/l	98
17) Carbon Disulfide	2.48	76	88682	17.698	ug/l	99
18) Methyl Acetate	2.61	43	56827	21.947	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	106752	20.474	ug/l	99
20) Methylene Chloride	2.70	84	36844	19.487	ug/l	98
21) trans-1,2-Dichloroethene	2.98	96	32982	19.142	ug/l	98
22) Diisopropyl ether	3.57	45	107758	20.037	ug/l	94
23) Vinyl Acetate	3.52	43	439412	99.945	ug/l	99
24) 1,1-Dichloroethane	3.44	63	61929	19.948	ug/l	99
25) 2-Butanone	4.26	43	152211	101.201	ug/l	99
26) 2,2-Dichloropropane	4.22	77	48871	19.482	ug/l	99
27) cis-1,2-Dichloroethene	4.22	96	37814	20.066	ug/l	99
28) Bromochloromethane	4.55	49	27354	20.577	ug/l	98
29) Tetrahydrofuran	4.64	42	97424	106.798	ug/l	98
30) Chloroform	4.67	83	60234	20.370	ug/l	99
31) Cyclohexane	4.99	56	58016	19.102	ug/l	96
32) 1,1,1-Trichloroethane	4.91	97	50395	20.625	ug/l	99
36) 1,1-Dichloropropene	5.13	75	44881	18.902	ug/l	98
37) Ethyl Acetate	4.38	43	54292	20.831	ug/l	100
38) Carbon Tetrachloride	5.13	117	38691	19.538	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	55350	18.962	ug/l	96
40) Benzene	5.39	78	146621	19.797	ug/l	98
41) Methacrylonitrile	4.54	41	28856	20.684	ug/l	99
42) 1,2-Dichloroethane	5.40	62	45577	20.479	ug/l	98
43) Isopropyl Acetate	5.55	43	83476	20.880	ug/l	99
44) Trichloroethene	6.18	130	34860	18.996	ug/l	98
45) 1,2-Dichloropropane	6.43	63	39223	20.054	ug/l	100
46) Dibromomethane	6.56	93	25058	20.042	ug/l	97
47) Bromodichloromethane	6.75	83	45596	19.807	ug/l	99
48) Methyl methacrylate	6.62	41	41434	21.284	ug/l	98
49) 1,4-Dioxane	6.61	88	21729	470.995	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	283994	104.377	ug/l	99
52) Toluene	7.63	92	87281	19.358	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	53301	19.275	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	58938	19.724	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	36277	20.084	ug/l	97
56) Ethyl methacrylate	8.02	69	55026	19.774	ug/l	99
57) 1,3-Dichloropropane	8.24	76	61947	20.043	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.12	63	119511	97.655	ug/l	99
59) 2-Hexanone	8.36	43	218654	102.377	ug/l	99
60) Dibromochloromethane	8.48	129	34603	19.337	ug/l	98
61) 1,2-Dibromoethane	8.58	107	38998	19.907	ug/l	99
64) Tetrachloroethene	8.22	164	31202	19.887	ug/l	97
65) Chlorobenzene	9.12	112	95792	19.621	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	31766	20.049	ug/l	99
67) Ethyl Benzene	9.25	91	164824	20.221	ug/l	99
68) m/p-Xylenes	9.37	106	128012	40.419	ug/l	99
69) o-Xylene	9.78	106	62930	20.622	ug/l	98
70) Styrene	9.79	104	99032	19.796	ug/l	100
71) Bromoform	9.95	173	27678	19.619	ug/l #	99
73) Isopropylbenzene	10.16	105	157524	20.381	ug/l	100
74) N-amyl acetate	10.01	43	67985	20.413	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	63455	20.485	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	54403m	21.264	ug/l	
77) Bromobenzene	10.45	156	41058	20.385	ug/l	97
78) n-propylbenzene	10.58	91	189134	20.765	ug/l	99
79) 2-Chlorotoluene	10.66	91	112833	20.421	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	134456	20.832	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	18520m	18.669	ug/l	
82) 4-Chlorotoluene	10.77	91	125844	19.863	ug/l	99
83) tert-Butylbenzene	11.10	119	129795	20.403	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	143977	22.343	ug/l	99
85) sec-Butylbenzene	11.32	105	161260	20.960	ug/l	99
86) p-Isopropyltoluene	11.48	119	136004	20.745	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	72241	19.554	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	71359	18.712	ug/l	99
89) n-Butylbenzene	11.89	91	120375	20.572	ug/l	100
90) Hexachloroethane	12.14	117	20925	18.973	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	72415	19.460	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	12876	21.612	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	45901	19.324	ug/l	99
94) Hexachlorobutadiene	13.69	225	23006	21.175	ug/l	98
95) Naphthalene	13.74	128	156072	19.314	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	48551	20.322	ug/l	99

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

