

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U120618\
 Data File : VU028518.D
 Acq On : 06 Dec 2018 22:00
 Operator : MD/SY
 Sample : J6252-04MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 CPA-CPMW04S-M16W4-11-28-18M

Manual Integrations
 APPROVED

MMDadoda
 12/7/2018 10:35:25 AM

Quant Time: Dec 07 07:03:51 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	91410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	164603	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	154910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	77365	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	74887	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
35) Dibromofluoromethane	4.88	113	54163	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
50) Toluene-d8	7.57	98	215452	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
62) 4-Bromofluorobenzene	10.30	95	80233	52.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	61430	50.138	ug/l	99
3) Chloromethane	1.33	50	110311	48.971	ug/l	99
4) Vinyl Chloride	1.40	62	83131	51.139	ug/l	99
5) Bromomethane	1.62	94	32296	49.320	ug/l	97
6) Chloroethane	1.70	64	47368	51.471	ug/l	99
7) Trichlorofluoromethane	1.89	101	85010	49.705	ug/l	99
8) Diethyl Ether	2.10	74	39707	49.623	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.29	101	50300	49.175	ug/l	99
10) Methyl Iodide	2.41	142	42526	52.985	ug/l	100
11) Tert butyl alcohol	2.82	59	79212	254.869	ug/l	99
12) 1,1-Dichloroethene	2.29	96	51438	50.541	ug/l	99
13) Acrolein	2.20	56	60663	244.843	ug/l	99
14) Allyl chloride	2.59	41	116188	48.258	ug/l	99
15) Acrylonitrile	2.94	53	226704	262.734	ug/l	99
16) Acetone	2.32	43	178996	196.637	ug/l	99
17) Carbon Disulfide	2.48	76	179861	49.056	ug/l	100
18) Methyl Acetate	2.61	43	119733	50.741	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	195692	50.722	ug/l	100
20) Methylene Chloride	2.70	84	64264	47.890	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	57108	49.837	ug/l	98
22) Diisopropyl ether	3.57	45	243495	52.006	ug/l	100
23) Vinyl Acetate	3.52	43	974544	252.344	ug/l	99
24) 1,1-Dichloroethane	3.45	63	123051	50.207	ug/l	99
25) 2-Butanone	4.26	43	307977	247.571	ug/l	98
26) 2,2-Dichloropropane	4.23	77	90364	46.532	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	65819	50.748	ug/l	99
28) Bromochloromethane	4.55	49	60400	54.211	ug/l	98
29) Tetrahydrofuran	4.64	42	212855	266.421	ug/l	99
30) Chloroform	4.67	83	110545	51.751	ug/l	97
31) Cyclohexane	5.00	56	121647	50.884	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	89558	50.481	ug/l	100
36) 1,1-Dichloropropene	5.13	75	86981	48.290	ug/l	99
37) Ethyl Acetate	4.38	43	115533	49.618	ug/l	99
38) Carbon Tetrachloride	5.13	117	71585	49.308	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	101808	46.330	ug/l	99
40) Benzene	5.39	78	263210	49.615	ug/l	98
41) Methacrylonitrile	4.54	41	69707	54.665	ug/l	96
42) 1,2-Dichloroethane	5.40	62	93235	50.209	ug/l	98
43) Isopropyl Acetate	5.55	43	185029	50.240	ug/l	100
44) Trichloroethene	6.19	130	56829	48.178	ug/l	98
45) 1,2-Dichloropropane	6.43	63	75165	50.385	ug/l	96
46) Dibromomethane	6.56	93	45136	50.993	ug/l	97
47) Bromodichloromethane	6.76	83	85360	49.558	ug/l	99
48) Methyl methacrylate	6.62	41	96098	52.469	ug/l	99
49) 1,4-Dioxane	6.61	88	28149	973.368	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	594729	256.033	ug/l	99
52) Toluene	7.64	92	153089	49.034	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	102427	49.931	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	107592	48.343	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	61953	50.199	ug/l	97
56) Ethyl methacrylate	8.02	69	107867	51.039	ug/l	98
57) 1,3-Dichloropropane	8.24	76	112976	49.314	ug/l	100
59) 2-Hexanone	8.36	43	454092	246.640	ug/l	100
60) Dibromochloromethane	8.48	129	59136	48.941	ug/l	98
61) 1,2-Dibromoethane	8.58	107	66044	51.031	ug/l	100
64) Tetrachloroethene	8.22	164	47870	46.328	ug/l	98
65) Chlorobenzene	9.12	112	159450	48.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	53530	50.782	ug/l	99
67) Ethyl Benzene	9.25	91	296409	48.846	ug/l	100
68) m/p-Xylenes	9.37	106	215399	97.550	ug/l	98
69) o-Xylene	9.78	106	106080	49.436	ug/l	99
70) Styrene	9.79	104	174558	49.155	ug/l	99
71) Bromoform	9.95	173	45000	50.183	ug/l #	100
73) Isopropylbenzene	10.16	105	277649	46.770	ug/l	100
74) N-amyl acetate	10.01	43	160508	46.873	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	110601	48.499	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	93146m	47.150	ug/l	
77) Bromobenzene	10.45	156	65728	47.341	ug/l	99
78) n-propylbenzene	10.58	91	350271	47.484	ug/l	100
79) 2-Chlorotoluene	10.66	91	202322	47.615	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	236060	48.038	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	41290m	51.374	ug/l	
82) 4-Chlorotoluene	10.77	91	235496	46.769	ug/l	100
83) tert-Butylbenzene	11.10	119	225287	47.564	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	238992	47.191	ug/l	98
85) sec-Butylbenzene	11.32	105	288227	47.368	ug/l	100
86) p-Isopropyltoluene	11.48	119	239349	46.306	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	121146	46.210	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	123845	45.659	ug/l	99
89) n-Butylbenzene	11.89	91	245997	47.026	ug/l	99
90) Hexachloroethane	12.14	117	37338	47.792	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	121406	46.296	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	25099	50.837	ug/l	96
93) 1,2,4-Trichlorobenzene	13.50	180	85767	47.636	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	37847	44.059	ug/l	97
95) Naphthalene	13.74	128	305148	48.492	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	88662	49.438	ug/l	98

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

