

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U121718\
 Data File : VU028718.D
 Acq On : 17 Dec 2018 14:18
 Operator : MD/SY
 Sample : J6411-16MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EP1-MW-J-1218MSD

Manual Integrations
 APPROVED

MMDadoda
 12/18/2018 11:31:07 AM

Quant Time: Dec 18 04:20:48 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	82708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	146550	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	137420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	66413	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	66452	52.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.30%	
35) Dibromofluoromethane	4.88	113	50440	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	7.56	98	198037	54.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.56%	
62) 4-Bromofluorobenzene	10.31	95	74286	54.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	50585	45.630	ug/l	99
3) Chloromethane	1.33	50	88414	43.380	ug/l	99
4) Vinyl Chloride	1.40	62	69026	46.930	ug/l	99
5) Bromomethane	1.60	94	35494	59.907	ug/l	96
6) Chloroethane	1.68	64	40794	48.991	ug/l	98
7) Trichlorofluoromethane	1.88	101	74617	48.219	ug/l	99
8) Diethyl Ether	2.10	74	34735	47.976	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	43401	46.894	ug/l	98
10) Methyl Iodide	2.40	142	47159	64.940	ug/l	99
11) Tert butyl alcohol	2.83	59	101806	362.031	ug/l	99
12) 1,1-Dichloroethene	2.28	96	44163	47.959	ug/l	99
13) Acrolein	2.19	56	74573	332.653	ug/l	99
14) Allyl chloride	2.59	41	103465	47.495	ug/l	89
15) Acrylonitrile	2.93	53	231392	296.382	ug/l	99
16) Acetone	2.32	43	202263	245.575	ug/l	98
17) Carbon Disulfide	2.47	76	151127	45.556	ug/l	100
18) Methyl Acetate	2.61	43	97454	45.645	ug/l	100
19) Methyl tert-butyl Ether	3.00	73	178255	51.063	ug/l	100
20) Methylene Chloride	2.70	84	58092	47.846	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	49323	47.572	ug/l	99
22) Diisopropyl ether	3.57	45	216642	51.139	ug/l	95
23) Vinyl Acetate	3.52	43	616429	176.409	ug/l	100
24) 1,1-Dichloroethane	3.44	63	108493	48.925	ug/l	99
25) 2-Butanone	4.26	43	328180	291.568	ug/l	100
26) 2,2-Dichloropropane	4.22	77	29513	16.797	ug/l	92
27) cis-1,2-Dichloroethene	4.22	96	58568	49.908	ug/l	90
28) Bromochloromethane	4.55	49	54362	53.925	ug/l	99
29) Tetrahydrofuran	4.64	42	224669	310.795	ug/l	99
30) Chloroform	4.67	83	98526	50.978	ug/l	99
31) Cyclohexane	4.99	56	96509	44.465	ug/l	99
32) 1,1,1-Trichloroethane	4.91	97	80271	50.007	ug/l	99
36) 1,1-Dichloropropene	5.13	75	75650	47.173	ug/l	99
37) Ethyl Acetate	4.38	43	84431	40.727	ug/l	100
38) Carbon Tetrachloride	5.13	117	65642	50.784	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	71576	36.584	ug/l	99
40) Benzene	5.39	78	233900	49.522	ug/l	98
41) Methacrylonitrile	4.54	41	65985	58.121	ug/l	97
42) 1,2-Dichloroethane	5.40	62	80693	48.808	ug/l	100
43) Isopropyl Acetate	5.55	43	150057	45.763	ug/l	99
44) Trichloroethene	6.18	130	50912	48.479	ug/l	97
45) 1,2-Dichloropropane	6.43	63	68935	51.901	ug/l	97
46) Dibromomethane	6.56	93	40326	51.171	ug/l	97
47) Bromodichloromethane	6.76	83	78861	51.425	ug/l	99
48) Methyl methacrylate	6.62	41	89797	55.068	ug/l	98
49) 1,4-Dioxane	6.61	88	32390	1257.990	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	632948	306.054	ug/l	100
52) Toluene	7.64	92	137226	49.367	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	78179	42.805	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	82242	41.505	ug/l	98
55) 1,1,2-Trichloroethane	8.06	97	63509	57.799	ug/l	98
56) Ethyl methacrylate	8.02	69	102375	54.408	ug/l	99
57) 1,3-Dichloropropane	8.24	76	103424	50.706	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.26	63	439	0.456	ug/l #	54
59) 2-Hexanone	8.36	43	509956	311.103	ug/l	99
60) Dibromochloromethane	8.48	129	57723	53.657	ug/l	99
61) 1,2-Dibromoethane	8.58	107	61268	53.172	ug/l	98
64) Tetrachloroethene	8.22	164	40962	44.688	ug/l	98
65) Chlorobenzene	9.12	112	144416	49.318	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	50273	53.762	ug/l	100
67) Ethyl Benzene	9.25	91	287218	53.355	ug/l	99
68) m/p-Xylenes	9.37	106	224711	114.720	ug/l	99
69) o-Xylene	9.78	106	97048	50.983	ug/l	100
70) Styrene	9.79	104	158096	50.186	ug/l	98
71) Bromoform	9.96	173	47609	59.849	ug/l #	99
73) Isopropylbenzene	10.17	105	1320936	259.205	ug/l	100
74) N-amyl acetate	10.01	43	125044	42.538	ug/l	94
75) 1,1,2,2-Tetrachloroethane	10.46	83	120990	61.804	ug/l	96
76) 1,2,3-Trichloropropane	10.49	75	91433m	53.915	ug/l	
77) Bromobenzene	10.45	156	61568	51.657	ug/l	99
78) n-propylbenzene	10.59	91	2796406	441.604	ug/l	100
79) 2-Chlorotoluene	10.66	91	160444	43.986	ug/l	92
80) 1,3,5-Trimethylbenzene	10.77	105	195002	46.226	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	31008m	45.008	ug/l	
82) 4-Chlorotoluene	10.77	91	203131	46.994	ug/l	98
83) tert-Butylbenzene	11.10	119	278062	68.388	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	2345209	539.449	ug/l	99
85) sec-Butylbenzene	11.32	105	742616	142.170	ug/l	99
86) p-Isopropyltoluene	11.48	119	217943	49.118	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	107200	47.633	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	110600	47.500	ug/l	99
89) n-Butylbenzene	11.89	91	437436	97.412	ug/l	90
90) Hexachloroethane	12.14	117	56454	84.177	ug/l	61
91) 1,2-Dichlorobenzene	11.88	146	112430	49.943	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30473	71.900	ug/l	94

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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	70488	45.642	ug/l	97
94) Hexachlorobutadiene	13.69	225	14992	20.331	ug/l	96
95) Naphthalene	13.74	128	309380	57.272	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	74610	48.466	ug/l	97

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

