

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121118\
 Data File : VU028595.D
 Acq On : 11 Dec 2018 09:42
 Operator : MD/SY
 Sample : J6305-06MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 P001-SW004-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 3:02:47 PM

Quant Time: Dec 11 13:19:56 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	84679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	152638	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	144284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	69226	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	70569	54.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.22%	
35) Dibromofluoromethane	4.88	113	51563	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	7.57	98	201079	52.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.84%	
62) 4-Bromofluorobenzene	10.30	95	74073	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	59022	52.002	ug/l	97
3) Chloromethane	1.33	50	104769	50.208	ug/l	99
4) Vinyl Chloride	1.40	62	78793	52.323	ug/l	99
5) Bromomethane	1.60	94	33010	54.418	ug/l	99
6) Chloroethane	1.68	64	43380	50.884	ug/l	97
7) Trichlorofluoromethane	1.88	101	90585	57.175	ug/l	99
8) Diethyl Ether	2.10	74	36335	49.018	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	46015	48.562	ug/l	97
10) Methyl Iodide	2.41	142	45968	61.826	ug/l	100
11) Tert butyl alcohol	2.83	59	122667	426.061	ug/l	100
12) 1,1-Dichloroethene	2.28	96	45479	48.238	ug/l	98
13) Acrolein	2.19	56	61905	269.716	ug/l	100
14) Allyl chloride	2.59	41	111488	49.987	ug/l	99
15) Acrylonitrile	2.94	53	265898	332.652	ug/l	100
16) Acetone	2.32	43	371454	440.499	ug/l	99
17) Carbon Disulfide	2.47	76	165958	48.862	ug/l	99
18) Methyl Acetate	2.61	43	258000	118.027	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	188404	52.714	ug/l	99
20) Methylene Chloride	2.70	84	60632	48.775	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	52601	49.553	ug/l	97
22) Diisopropyl ether	3.57	45	232813	53.677	ug/l	97
23) Vinyl Acetate	3.52	43	888828	248.444	ug/l	98
24) 1,1-Dichloroethane	3.44	63	117291	51.661	ug/l	99
25) 2-Butanone	4.26	43	420919	365.256	ug/l	99
26) 2,2-Dichloropropane	4.23	77	64116	35.641	ug/l	98
27) cis-1,2-Dichloroethene	4.22	96	61777	51.417	ug/l	97
28) Bromochloromethane	4.55	49	58667	56.841	ug/l	97
29) Tetrahydrofuran	4.64	42	272241	367.837	ug/l	98
30) Chloroform	4.67	83	104515	52.818	ug/l	97
31) Cyclohexane	4.99	56	116347	52.575	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	84663	51.516	ug/l	98
36) 1,1-Dichloropropene	5.13	75	79188	47.410	ug/l	99
37) Ethyl Acetate	4.38	43	125420	58.086	ug/l	100
38) Carbon Tetrachloride	5.13	117	67652	50.252	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	94480	46.365	ug/l	99
40) Benzene	5.39	78	258767	52.601	ug/l	99
41) Methacrylonitrile	4.54	41	76032	64.299	ug/l	96
42) 1,2-Dichloroethane	5.40	62	87342	50.722	ug/l	98
43) Isopropyl Acetate	5.55	43	193223	56.577	ug/l	99
44) Trichloroethene	6.19	130	52926	48.386	ug/l	100
45) 1,2-Dichloropropane	6.43	63	72724	52.570	ug/l	98
46) Dibromomethane	6.56	93	42932	52.305	ug/l	99
47) Bromodichloromethane	6.76	83	81584	51.079	ug/l	97
48) Methyl methacrylate	6.62	41	102599	60.410	ug/l	99
49) 1,4-Dioxane	6.61	88	39956	1489.949	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	749084	347.763	ug/l	99
52) Toluene	7.64	92	149025	51.474	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	91864	48.292	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	99012	47.975	ug/l	99
55) 1,1,2-Trichloroethane	8.06	97	60563	52.919	ug/l	99
56) Ethyl methacrylate	8.02	69	110509	56.388	ug/l	99
57) 1,3-Dichloropropane	8.24	76	110344	51.941	ug/l	100
59) 2-Hexanone	8.36	43	612005	358.468	ug/l	99
60) Dibromochloromethane	8.48	129	56872	50.757	ug/l	100
61) 1,2-Dibromoethane	8.58	107	64166	53.466	ug/l	98
64) Tetrachloroethene	8.22	164	44348	46.080	ug/l	98
65) Chlorobenzene	9.12	112	151454	49.261	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	51221	52.170	ug/l	100
67) Ethyl Benzene	9.25	91	284853	50.399	ug/l	100
68) m/p-Xylenes	9.37	106	205269	99.809	ug/l	96
69) o-Xylene	9.78	106	100925	50.497	ug/l	99
70) Stvrene	9.79	104	167759	50.720	ug/l	100
71) Bromoform	9.96	173	45436	54.401	ug/l #	98
73) Isopropylbenzene	10.16	105	265086	49.904	ug/l	100
74) N-amyl acetate	10.01	43	160647	52.429	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.46	83	119760	58.690	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	119754m	67.746	ug/l	
77) Bromobenzene	10.45	156	63027	50.733	ug/l	100
78) n-propylbenzene	10.58	91	328239	49.729	ug/l	99
79) 2-Chlorotoluene	10.66	91	191518	50.372	ug/l	99
80) 1,3,5-Trimethylbenzene	10.77	105	223901	50.920	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	42277m	58.710	ug/l	
82) 4-Chlorotoluene	10.77	91	222642	49.415	ug/l	100
83) tert-Butylbenzene	11.10	119	217452	51.308	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	233936	51.624	ug/l	100
85) sec-Butylbenzene	11.32	105	267707	49.169	ug/l	99
86) p-Isopropyltoluene	11.48	119	226255	48.919	ug/l	99
87) 1,3-Dichlorobenzene	11.41	146	115254	49.131	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	117189	48.285	ug/l	100
89) n-Butylbenzene	11.89	91	222854	47.610	ug/l	100
90) Hexachloroethane	12.14	117	35196	50.347	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	117854	50.225	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	30760	69.628	ug/l	99
93) 1,2,4-Trichlorobenzene	13.50	180	78744	48.855	ug/l	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	35714	46.464	ug/l	95
95) Naphthalene	13.74	128	319489	56.740	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	81204	50.600	ug/l	98

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

