

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121918\
 Data File : VU028806.D
 Acq On : 19 Dec 2018 20:10
 Operator : MD/SY
 Sample : J6474-02MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S49-0492MS

Manual Integrations
 APPROVED

MMDadoda
 12/20/2018 8:58:42 AM

Quant Time: Dec 20 06:44:23 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	104534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	177613	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	167552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	84373	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	73003	45.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.52%	
35) Dibromofluoromethane	4.88	113	60589	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	7.56	98	239087	54.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.14%	
62) 4-Bromofluorobenzene	10.30	95	85302	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	65929	47.054	ug/l	97
3) Chloromethane	1.33	50	107712	41.814	ug/l	99
4) Vinyl Chloride	1.40	62	280566	150.924	ug/l	98
5) Bromomethane	1.61	94	42872	57.251	ug/l	100
6) Chloroethane	1.69	64	53619	50.948	ug/l	97
7) Trichlorofluoromethane	1.88	101	94638	48.387	ug/l	99
8) Diethyl Ether	2.10	74	46531	50.850	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61064	52.203	ug/l	98
10) Methyl Iodide	2.41	142	64837	70.641	ug/l	96
11) Tert butyl alcohol	2.83	59	81357	228.906	ug/l	99
12) 1,1-Dichloroethene	2.28	96	62391	53.607	ug/l	88
13) Acrolein	2.19	56	64150	226.410	ug/l	100
14) Allyl chloride	2.59	41	111194	40.385	ug/l #	94
15) Acrylonitrile	2.93	53	245813	249.114	ug/l	98
16) Acetone	2.32	43	182853	175.655	ug/l	94
17) Carbon Disulfide	2.48	76	202331	48.256	ug/l	100
18) Methyl Acetate	2.61	43	125807	46.621	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	215691	48.886	ug/l	99
20) Methylene Chloride	2.70	84	76491	49.846	ug/l	90
21) trans-1,2-Dichloroethene	2.98	96	119846	91.457	ug/l	92
22) Diisopropyl ether	3.57	45	243022	45.388	ug/l	96
23) Vinyl Acetate	3.52	43	944599	213.883	ug/l	96
24) 1,1-Dichloroethane	3.44	63	135761	48.439	ug/l	99
25) 2-Butanone	4.26	43	304979	214.381	ug/l	93
26) 2,2-Dichloropropane	4.22	77	95321	42.922	ug/l #	34
27) cis-1,2-Dichloroethene	4.22	96	880320	593.530	ug/l	82
28) Bromochloromethane	4.55	49	57662	45.256	ug/l	86
29) Tetrahydrofuran	4.63	42	208583	228.296	ug/l	91
30) Chloroform	4.67	83	123063	50.379	ug/l	97
31) Cyclohexane	4.99	56	128747	47.001	ug/l	97
32) 1,1,1-Trichloroethane	4.91	97	98154	48.381	ug/l	98
36) 1,1-Dichloropropene	5.13	75	94135	48.433	ug/l	96
37) Ethyl Acetate	4.38	43	112726	44.866	ug/l #	78
38) Carbon Tetrachloride	5.13	117	77975	49.775	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	118612	50.023	ug/l	93
40) Benzene	5.39	78	305226	53.321	ug/l	98
41) Methacrylonitrile	4.54	41	63986	46.503	ug/l	92
42) 1,2-Dichloroethane	5.40	62	96346	48.084	ug/l	97
43) Isopropyl Acetate	5.55	43	177827	44.748	ug/l #	94
44) Trichloroethene	6.19	130	1234542	969.948	ug/l	91
45) 1,2-Dichloropropane	6.43	63	82702	51.377	ug/l	96
46) Dibromomethane	6.56	93	50988	53.385	ug/l	94
47) Bromodichloromethane	6.76	83	94124	50.643	ug/l	99
48) Methyl methacrylate	6.62	41	90185	45.634	ug/l	90
49) 1,4-Dioxane	6.61	88	32912	1054.706	ug/l	94
51) 4-Methyl-2-Pentanone	7.46	43	582365	232.346	ug/l	94
52) Toluene	7.64	92	185944	55.195	ug/l	100
53) t-1,3-Dichloropropene	7.88	75	109523	49.479	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	118273	49.249	ug/l	91
55) 1,1,2-Trichloroethane	8.06	97	73914	55.504	ug/l	99
56) Ethyl methacrylate	8.02	69	117524	51.535	ug/l	89
57) 1,3-Dichloropropane	8.24	76	129077	52.215	ug/l	99
59) 2-Hexanone	8.36	43	446311	224.657	ug/l	92
60) Dibromochloromethane	8.48	129	68665	52.665	ug/l	100
61) 1,2-Dibromoethane	8.58	107	77571	55.547	ug/l	98
64) Tetrachloroethene	8.22	164	71083	63.603	ug/l	98
65) Chlorobenzene	9.12	112	190913	53.471	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	63698	55.869	ug/l	99
67) Ethyl Benzene	9.25	91	339883	51.784	ug/l	100
68) m/p-Xylenes	9.37	106	258288	108.148	ug/l	97
69) o-Xylene	9.78	106	126622	54.557	ug/l	95
70) Stvrene	9.79	104	209139	54.450	ug/l	96
71) Bromoform	9.96	173	55436	57.156	ug/l #	99
73) Isopropylbenzene	10.16	105	326422	50.419	ug/l	98
74) N-amyl acetate	10.01	43	153738	41.167	ug/l	92
75) 1,1,2,2-Tetrachloroethane	10.46	83	131185	52.747	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	112052m	52.009	ug/l	
77) Bromobenzene	10.45	156	80930	53.449	ug/l	91
78) n-propylbenzene	10.58	91	392929	48.842	ug/l	98
79) 2-Chlorotoluene	10.66	91	232489	50.170	ug/l	96
80) 1,3,5-Trimethylbenzene	10.77	105	274309	51.185	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	38524m	44.027	ug/l	
82) 4-Chlorotoluene	10.77	91	264722	48.207	ug/l	97
83) tert-Butylbenzene	11.10	119	264142	51.136	ug/l	97
84) 1,2,4-Trimethylbenzene	11.15	105	280392	50.767	ug/l	97
85) sec-Butylbenzene	11.32	105	327120	49.295	ug/l	97
86) p-Isopropyltoluene	11.47	119	280010	49.673	ug/l	97
87) 1,3-Dichlorobenzene	11.42	146	147684	51.653	ug/l	99
88) 1,4-Dichlorobenzene	11.50	146	148861	50.323	ug/l	99
89) n-Butylbenzene	11.89	91	256851	45.022	ug/l	98
90) Hexachloroethane	12.14	117	43870	51.489	ug/l	92
91) 1,2-Dichlorobenzene	11.88	146	149007	52.102	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.65	75	27126	50.379	ug/l	88
93) 1,2,4-Trichlorobenzene	13.50	180	96933	49.335	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.69	225	43124	46.032	ug/l	97
95) Naphthalene	13.74	128	337915	49.239	ug/l	100
96) 1,2,3-Trichlorobenzene	13.98	180	100153	51.202	ug/l	98

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

