

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024501.D
 Acq On : 13 Jun 2018 12:19
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:27 AM

Quant Time: Jun 13 13:13:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:03:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	198881	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	311978	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	294986	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.31	65	65695	16.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.36%	
35) Dibromofluoromethane	4.89	113	51947	16.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.42%	
50) Toluene-d8	7.57	98	190597	15.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	31.84%	
62) 4-Bromofluorobenzene	10.31	95	73533	16.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	33.70%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.21	85	48875	16.213	ug/l	99
3) Chloromethane	1.33	50	49358	14.052	ug/l	100
4) Vinyl Chloride	1.41	62	50179	12.832	ug/l	95
5) Bromomethane	1.63	94	25539	11.885	ug/l	99
6) Chloroethane	1.70	64	29694	11.226	ug/l	97
7) Trichlorofluoromethane	1.89	101	78541	14.791	ug/l	98
8) Diethyl Ether	2.10	74	29140	13.726	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	2.29	101	47123	15.942	ug/l	97
10) Methyl Iodide	2.41	142	31101	16.595	ug/l	99
11) Tert butyl alcohol	2.82	59	81691	109.204	ug/l	97
12) 1,1-Dichloroethene	2.29	96	45154	16.307	ug/l	95
13) Acrolein	2.20	56	41132	52.822	ug/l	98
14) Allyl chloride	2.60	41	81886	17.430	ug/l	97
15) Acrylonitrile	2.94	53	158616	79.388	ug/l	99
16) Acetone	2.32	43	173681	69.087	ug/l	98
17) Carbon Disulfide	2.48	76	142299	16.703	ug/l	99
18) Methyl Acetate	2.62	43	74594	14.931	ug/l	96
19) Methyl tert-butyl Ether	3.00	73	168057	19.313	ug/l	96
20) Methylene Chloride	2.71	84	52077	15.075	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	49275	16.584	ug/l	96
22) Diisopropyl ether	3.58	45	167772	17.723	ug/l	92
23) Vinyl Acetate	3.53	43	744862	107.064	ug/l	99
24) 1,1-Dichloroethane	3.45	63	96159	16.224	ug/l	99
25) 2-Butanone	4.26	43	243329	80.943	ug/l	97
26) 2,2-Dichloropropane	4.23	77	89129	19.725	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	55976	17.338	ug/l	98
28) Bromochloromethane	4.55	49	44282	20.402	ug/l	92
29) Tetrahydrofuran	4.64	42	148142	86.355	ug/l	97
30) Chloroform	4.68	83	95215	15.856	ug/l	98
31) Cyclohexane	5.00	56	90422	15.384	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	88187	18.259	ug/l	96
36) 1,1-Dichloropropene	5.14	75	70987	15.944	ug/l	96
37) Ethyl Acetate	4.38	43	85268	17.082	ug/l #	97
38) Carbon Tetrachloride	5.14	117	79289	18.702	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	88970	18.496	ug/l	96
40) Benzene	5.39	78	206838	15.413	ug/l	100
41) Methacrylonitrile	4.55	41	46278	16.542	ug/l	98
42) 1,2-Dichloroethane	5.41	62	78799	15.332	ug/l	99
43) Isopropyl Acetate	5.55	43	138322	18.194	ug/l	98
44) Trichloroethene	6.19	130	57825	16.538	ug/l	94
45) 1,2-Dichloropropane	6.44	63	55715	15.448	ug/l	97
46) Dibromomethane	6.56	93	39006	16.337	ug/l	97
47) Bromodichloromethane	6.76	83	76999	16.668	ug/l	99
48) Methyl methacrylate	6.63	41	67277	18.051	ug/l	99
49) 1,4-Dioxane	6.62	88	27728	352.644	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	441909	80.567	ug/l	99
52) Toluene	7.64	92	128763	16.168	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	86038	17.910	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	90260	17.220	ug/l	97
55) 1,1,2-Trichloroethane	8.07	97	51267	15.005	ug/l	98
56) Ethyl methacrylate	8.02	69	91343	20.513	ug/l	98
57) 1,3-Dichloropropane	8.25	76	90111	15.358	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	163279	71.296	ug/l	97
59) 2-Hexanone	8.36	43	357269	81.414	ug/l	100
60) Dibromochloromethane	8.48	129	63104	18.203	ug/l	99
61) 1,2-Dibromoethane	8.59	107	57555	16.106	ug/l	97
64) Tetrachloroethene	8.23	164	55748	19.011	ug/l	98
65) Chlorobenzene	9.12	112	145897	16.995	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	55533	18.847	ug/l	98
67) Ethyl Benzene	9.25	91	259683	18.761	ug/l	97
68) m/p-Xylenes	9.38	106	198140	37.579	ug/l	98
69) o-Xylene	9.78	106	98668	20.302	ug/l	96
70) Styrene	9.80	104	159899	19.323	ug/l	98
71) Bromoform	9.96	173	51919	20.415	ug/l #	100
73) Isopropylbenzene	10.17	105	264998	22.705	ug/l	99
74) N-amyl acetate	10.01	43	122600	23.207	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	86657	17.119	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	76154m	21.447	ug/l	
77) Bromobenzene	10.45	156	65061	20.132	ug/l	99
78) n-propylbenzene	10.59	91	312370	21.588	ug/l	98
79) 2-Chlorotoluene	10.66	91	180544	20.556	ug/l	99
80) 1,3,5-Trimethylbenzene	10.78	105	222581	22.488	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	32667m	19.517	ug/l	
82) 4-Chlorotoluene	10.78	91	209740	20.584	ug/l	100
83) tert-Butylbenzene	11.10	119	217370	22.561	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	230190	23.015	ug/l	100
85) sec-Butylbenzene	11.33	105	274368	22.681	ug/l	98
86) p-Isopropyltoluene	11.48	119	240901	22.534	ug/l	98
87) 1,3-Dichlorobenzene	11.42	146	120700	19.431	ug/l	98
88) 1,4-Dichlorobenzene	11.51	146	119217	18.335	ug/l	99
89) n-Butylbenzene	11.89	91	217149	20.643	ug/l	97
90) Hexachloroethane	12.15	117	45300	23.636	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	120049	19.327	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.66	75	24452	23.664	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	78280	21.336	ug/l	100
94) Hexachlorobutadiene	13.70	225	42364	19.439	ug/l	99
95) Naphthalene	13.75	128	243070	24.228	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	79810	21.527	ug/l	98

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

