

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082919\
 Data File : VU034020.D
 Acq On : 28 Aug 2019 13:37
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 8/29/2019 8:47:18 AM

Quant Time: Aug 29 03:47:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 03:17:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	441774	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	703187	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	701118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.47	152	371501	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.28	65	776759	151.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	302.72%	
35) Dibromofluoromethane	4.86	113	661449	137.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	275.90%	
50) Toluene-d8	7.55	98	2606084	146.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.30%	
62) 4-Bromofluorobenzene	10.29	95	1040344	150.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	301.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	668281	146.526	ug/l	99
3) Chloromethane	1.32	50	863313	149.619	ug/l	99
4) Vinyl Chloride	1.40	62	857458	177.970	ug/l	99
5) Bromomethane	1.59	94	394087	140.042	ug/l	100
6) Chloroethane	1.66	64	489215	170.700	ug/l	99
7) Trichlorofluoromethane	1.86	101	976644	159.480	ug/l	98
8) Diethyl Ether	2.09	74	425670	178.897	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	2.26	101	600611	155.071	ug/l	99
10) Methyl Iodide	2.39	142	916212	157.359	ug/l	100
11) Tert butyl alcohol	2.84	59	996086	759.925	ug/l	100
12) 1,1-Dichloroethene	2.26	96	628455	155.252	ug/l	99
13) Acrolein	2.18	56	374170	845.124	ug/l	98
14) Allyl chloride	2.57	41	1191530	164.179	ug/l	99
15) Acrylonitrile	2.92	53	2215170	820.793	ug/l	100
16) Acetone	2.31	43	1952750	785.977	ug/l	100
17) Carbon Disulfide	2.45	76	1970454	148.695	ug/l	100
18) Methyl Acetate	2.60	43	996616	163.359	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	2138049	157.589	ug/l	100
20) Methylene Chloride	2.68	84	743920	144.325	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	675328	147.559	ug/l	98
22) Diisopropyl ether	3.55	45	2193822	164.265	ug/l	95
23) Vinyl Acetate	3.50	43	9880605	868.186	ug/l	100
24) 1,1-Dichloroethane	3.42	63	1293005	156.778	ug/l	100
25) 2-Butanone	4.23	43	3055737	856.913	ug/l	99
26) 2,2-Dichloropropane	4.20	77	1046354	150.874	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	782754	152.513	ug/l	99
28) Bromochloromethane	4.52	49	596476	155.704	ug/l	98
29) Tetrahydrofuran	4.61	42	1867184	840.474	ug/l	99
30) Chloroform	4.65	83	1218063	145.237	ug/l	97
31) Cyclohexane	4.97	56	1155218	151.391	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	1057388	150.598	ug/l	99
36) 1,1-Dichloropropene	5.11	75	956569	145.216	ug/l	99
37) Ethyl Acetate	4.35	43	1081690	161.053	ug/l	99
38) Carbon Tetrachloride	5.11	117	910014	137.035	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.39	83	1187904	152.595	ug/l	100
40) Benzene	5.36	78	2857406	145.728	ug/l	100
41) Methacrylonitrile	4.52	41	591918	169.221	ug/l	100
42) 1,2-Dichloroethane	5.38	62	966352	145.213	ug/l	99
43) Isopropyl Acetate	5.53	43	1759535	170.379	ug/l	100
44) Trichloroethene	6.16	130	761613	138.432	ug/l	97
45) 1,2-Dichloropropane	6.41	63	798951	151.128	ug/l	100
46) Dibromomethane	6.54	93	516224	145.324	ug/l	100
47) Bromodichloromethane	6.74	83	1013277	149.255	ug/l	99
48) Methyl methacrylate	6.60	41	875943	176.629	ug/l	99
49) 1,4-Dioxane	6.59	88	428990	3272.057	ug/l	98
51) 4-Methyl-2-Pentanone	7.45	43	5987602	837.436	ug/l	99
52) Toluene	7.62	92	1830334	148.249	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	1235539	163.347	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	1303286	160.079	ug/l	98
55) 1,1,2-Trichloroethane	8.05	97	773219	147.500	ug/l	100
56) Ethyl methacrylate	8.00	69	1316685	176.275	ug/l	100
57) 1,3-Dichloropropane	8.22	76	1316424	154.396	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	2573885	936.775	ug/l	99
59) 2-Hexanone	8.35	43	4614112	840.338	ug/l	99
60) Dibromochloromethane	8.46	129	881057	151.186	ug/l	99
61) 1,2-Dibromoethane	8.57	107	823795	149.763	ug/l	99
64) Tetrachloroethene	8.21	164	644966	116.376	ug/l	98
65) Chlorobenzene	9.10	112	2096519	143.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	781157	144.297	ug/l	99
67) Ethyl Benzene	9.23	91	3675757	149.695	ug/l	100
68) m/p-Xylenes	9.36	106	2794964	296.025	ug/l	100
69) o-Xylene	9.76	106	1372171	151.637	ug/l	100
70) Styrene	9.77	104	2424045	156.453	ug/l	100
71) Bromoform	9.94	173	711702	148.520	ug/l #	99
73) Isopropylbenzene	10.15	105	3702740	150.991	ug/l	100
74) N-amyl acetate	10.00	43	1704498	180.834	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	1315573	147.585	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	1132105m	148.190	ug/l	
77) Bromobenzene	10.43	156	965189	140.582	ug/l	100
78) n-propylbenzene	10.57	91	4368413	156.452	ug/l	100
79) 2-Chlorotoluene	10.64	91	2532544	150.179	ug/l	100
80) 1,3,5-Trimethylbenzene	10.76	105	3206218	152.831	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	399761m	155.580	ug/l	
82) 4-Chlorotoluene	10.76	91	2963973	152.243	ug/l	100
83) tert-Butylbenzene	11.08	119	3169178	155.071	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	3246441	157.248	ug/l	100
85) sec-Butylbenzene	11.31	105	3813499	156.499	ug/l	100
86) p-Isopropyltoluene	11.46	119	3491961	153.956	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	1751511	143.948	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1719099	140.113	ug/l	100
89) n-Butylbenzene	11.87	91	3222809	168.213	ug/l	99
90) Hexachloroethane	12.13	117	598929	159.075	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	1696190	141.929	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	299989	169.741	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	1237449	169.112	ug/l	99
94) Hexachlorobutadiene	13.67	225	666466	137.409	ug/l	99
95) Naphthalene	13.73	128	3582727	184.683	ug/l	100
96) 1,2,3-Trichlorobenzene	13.97	180	1200240	158.790	ug/l	100

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

