

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045683.D
 Acq On : 10 Nov 2021 10:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/11/2021
 Supervised By : Mahesh Dadoda 11/15/2021

Quant Time: Nov 10 15:31:15 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	128827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	221501	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	216177	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	112268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	100577	52.131	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.260%			
35) Dibromofluoromethane	5.292	113	77232	52.225	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	7.902	98	292502	53.191	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.380%			
62) 4-Bromofluorobenzene	10.635	95	114560	51.952	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.900%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	86244	51.634	ug/l	100
3) Chloromethane	1.523	50	91438	47.845	ug/l	98
4) Vinyl Chloride	1.604	62	93083	50.000	ug/l	100
5) Bromomethane	1.845	94	56084	54.011	ug/l	98
6) Chloroethane	1.928	64	55817	45.942	ug/l	98
7) Trichlorofluoromethane	2.137	101	120971	49.139	ug/l	98
8) Diethyl Ether	2.378	74	49570	50.868	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.581	101	72680	50.560	ug/l	97
10) Methyl Iodide	2.723	142	72061	38.307	ug/l	92
11) Tert butyl alcohol	3.179	59	92180	241.387	ug/l	100
12) 1,1-Dichloroethene	2.581	96	69494	49.032	ug/l	96
13) Acrolein	2.485	56	15178	274.274	ug/l	97
14) Allyl chloride	2.925	41	123935	48.972	ug/l	99
15) Acrylonitrile	3.314	53	254412	249.528	ug/l	98
16) Acetone	2.626	43	266105	270.948	ug/l	99
17) Carbon Disulfide	2.793	76	179822	45.296	ug/l	100
18) Methyl Acetate	2.948	43	162711	48.641	ug/l	100
19) Methyl tert-butyl Ether	3.366	73	258366	50.642	ug/l	100
20) Methylene Chloride	3.047	84	81700	47.875	ug/l	98
21) trans-1,2-Dichloroethene	3.356	96	74291	50.384	ug/l	95
22) Diisopropyl ether	3.996	45	255235	51.364	ug/l	95
23) Vinyl Acetate	3.957	43	991028	259.308	ug/l	99
24) 1,1-Dichloroethane	3.874	63	149878	50.615	ug/l	98
25) 2-Butanone	4.703	43	356553	261.754	ug/l	100
26) 2,2-Dichloropropane	4.671	77	124131	50.588	ug/l	99
27) cis-1,2-Dichloroethene	4.671	96	87682	50.629	ug/l	98
28) Bromochloromethane	4.976	49	71456	50.617	ug/l	97
29) Tetrahydrofuran	5.050	42	204192	245.065	ug/l	98
30) Chloroform	5.092	83	148815	50.815	ug/l	99
31) Cyclohexane	5.391	56	131753	46.802	ug/l	97
32) 1,1,1-Trichloroethane	5.320	97	125304	50.174	ug/l	97
36) 1,1-Dichloropropene	5.529	75	109044	50.488	ug/l	100
37) Ethyl Acetate	4.806	43	125000	50.383	ug/l	99
38) Carbon Tetrachloride	5.529	117	108313	49.743	ug/l	99
39) Methylcyclohexane	6.767	83	133787	50.492	ug/l	96
40) Benzene	5.777	78	316305	49.466	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.973	41	69331	52.879	ug/l	98
42) 1,2-Dichloroethane	5.796	62	119418	51.703	ug/l	99
43) Isopropyl Acetate	5.912	43	190061	50.085	ug/l	99
44) Trichloroethene	6.545	130	85128	55.617	ug/l	97
45) 1,2-Dichloropropane	6.796	63	87511	51.722	ug/l	97
46) Dibromomethane	6.922	93	60655	51.739	ug/l	99
47) Bromodichloromethane	7.108	83	116432	52.342	ug/l	98
48) Methyl methacrylate	6.963	41	88977	50.942	ug/l	96
49) 1,4-Dioxane	6.963	88	46865	1043.365	ug/l #	93
51) 4-Methyl-2-Pentanone	7.793	43	641749	256.366	ug/l	99
52) Toluene	7.973	92	203580	52.003	ug/l	100
53) t-1,3-Dichloropropene	8.214	75	130129	50.902	ug/l	100
54) cis-1,3-Dichloropropene	7.610	75	142405	52.444	ug/l	96
55) 1,1,2-Trichloroethane	8.404	97	83980	51.760	ug/l	100
56) Ethyl methacrylate	8.336	69	133931	46.214	ug/l	98
57) 1,3-Dichloropropane	8.581	76	149308	51.093	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.465	63	310925	208.155	ug/l	99
59) 2-Hexanone	8.687	43	506150	232.906	ug/l	99
60) Dibromochloromethane	8.816	129	89084	52.729	ug/l	99
61) 1,2-Dibromoethane	8.928	107	88056	50.603	ug/l	98
64) Tetrachloroethene	8.558	164	64596	52.062	ug/l	96
65) Chlorobenzene	9.449	112	211647	49.843	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.539	131	76501	50.515	ug/l	98
67) Ethyl Benzene	9.574	91	391397	51.471	ug/l	99
68) m/p-Xylenes	9.697	106	301889	105.267	ug/l	100
69) o-Xylene	10.105	106	145789	52.289	ug/l	99
70) Styrene	10.118	104	249968	52.995	ug/l	99
71) Bromoform	10.295	173	64117	45.056	ug/l #	99
73) Isopropylbenzene	10.487	105	390638	53.253	ug/l	99
74) N-amyl acetate	10.323	43	166679	50.368	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.786	83	143881	49.506	ug/l	100
76) 1,2,3-Trichloropropane	10.828	75	125963m	36.998	ug/l	
77) Bromobenzene	10.786	156	90494	50.811	ug/l	98
78) n-propylbenzene	10.909	91	480454	52.625	ug/l	100
79) 2-Chlorotoluene	10.989	91	278632	51.657	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	338629	52.836	ug/l	100
81) trans-1,4-Dichloro-2-b...	10.549	75	43780	42.597	ug/l	98
82) 4-Chlorotoluene	11.098	91	326039	51.541	ug/l	98
83) tert-Butylbenzene	11.423	119	323702	52.984	ug/l	98
84) 1,2,4-Trimethylbenzene	11.471	105	339957	53.370	ug/l	100
85) sec-Butylbenzene	11.648	105	431140	53.210	ug/l	99
86) p-Isopropyltoluene	11.796	119	360221	53.201	ug/l	99
87) 1,3-Dichlorobenzene	11.748	146	178569	49.693	ug/l	100
88) 1,4-Dichlorobenzene	11.841	146	181102	49.830	ug/l	99
89) n-Butylbenzene	12.211	91	340984	52.279	ug/l	100
90) Hexachloroethane	12.481	117	60253	49.329	ug/l	97
91) 1,2-Dichlorobenzene	12.217	146	175528	50.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	13.002	75	33193	48.403	ug/l	96
93) 1,2,4-Trichlorobenzene	13.844	180	118867	49.173	ug/l	98
94) Hexachlorobutadiene	14.024	225	51003	48.878	ug/l	98
95) Naphthalene	14.089	128	431079	47.488	ug/l	99
96) 1,2,3-Trichlorobenzene	14.333	180	122170	50.882	ug/l	98

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

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