

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112421\
 Data File : VX025341.D
 Acq On : 24 Nov 2021 20:52
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/26/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 26 10:40:19 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	101638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	159830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75498	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	52322	48.838	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.680%		
35) Dibromofluoromethane	5.391	113	48131	49.080	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.160%		
50) Toluene-d8	8.653	98	176271	47.807	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.620%		
62) 4-Bromofluorobenzene	11.085	95	65367	46.862	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	47680	54.118	ug/l	97
3) Chloromethane	1.294	50	51254	46.983	ug/l	100
4) Vinyl Chloride	1.373	62	56923	47.527	ug/l	99
5) Bromomethane	1.599	94	24932	48.418	ug/l	100
6) Chloroethane	1.678	64	36864	44.608	ug/l	99
7) Trichlorofluoromethane	1.885	101	86074	48.419	ug/l	96
8) Diethyl Ether	2.135	74	34651	47.231	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.330	101	47762	50.495	ug/l	98
10) Methyl Iodide	2.452	142	62996	53.266	ug/l	93
11) Tert butyl alcohol	2.971	59	58316	218.943	ug/l	100
12) 1,1-Dichloroethene	2.318	96	45918	48.744	ug/l	90
13) Acrolein	2.239	56	12395	252.546	ug/l	99
14) Allyl chloride	2.666	41	79210	46.461	ug/l	95
15) Acrylonitrile	3.068	53	140110	243.710	ug/l	98
16) Acetone	2.379	43	114571	192.460	ug/l	96
17) Carbon Disulfide	2.513	76	113444	42.809	ug/l	97
18) Methyl Acetate	2.702	43	90985	47.837	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	164995	50.268	ug/l	100
20) Methylene Chloride	2.788	84	53240	47.576	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	50431	48.868	ug/l	86
22) Diisopropyl ether	3.763	45	162992	50.201	ug/l	100
23) Vinyl Acetate	3.727	43	640655	245.649	ug/l	95
24) 1,1-Dichloroethane	3.611	63	88863	50.090	ug/l	96
25) 2-Butanone	4.556	43	196170	227.926	ug/l	98
26) 2,2-Dichloropropane	4.476	77	74890	46.562	ug/l	97
27) cis-1,2-Dichloroethene	4.495	96	60082	49.855	ug/l	90
28) Bromochloromethane	4.903	49	43435	52.506	ug/l	92
29) Tetrahydrofuran	5.007	42	126744	237.835	ug/l	98
30) Chloroform	5.098	83	94649	51.266	ug/l	97
31) Cyclohexane	5.476	56	77883	47.044	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	83961	49.672	ug/l	98
36) 1,1-Dichloropropene	5.696	75	68052	48.802	ug/l	98
37) Ethyl Acetate	4.720	43	75252	47.431	ug/l	99
38) Carbon Tetrachloride	5.684	117	75690	49.281	ug/l	99
39) Methylcyclohexane	7.384	83	83210	46.521	ug/l	93
40) Benzene	6.043	78	207371	49.091	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	41501	47.129	ug/l	97
42) 1,2-Dichloroethane	6.092	62	70645	51.397	ug/l	93
43) Isopropyl Acetate	6.342	43	126402	47.873	ug/l	98
44) Trichloroethene	7.128	130	61884	50.430	ug/l	92
45) 1,2-Dichloropropane	7.433	63	52133	50.249	ug/l	99
46) Dibromomethane	7.580	93	37387	49.640	ug/l	92
47) Bromodichloromethane	7.823	83	72608	49.056	ug/l	98
48) Methyl methacrylate	7.695	41	58245	47.003	ug/l	95
49) 1,4-Dioxane	7.659	88	25177	962.120	ug/l	93
51) 4-Methyl-2-Pentanone	8.573	43	401503	242.506	ug/l	98
52) Toluene	8.720	92	136139	49.364	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	79717	48.432	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	85792	48.085	ug/l	97
55) 1,1,2-Trichloroethane	9.152	97	55116	50.283	ug/l	96
56) Ethyl methacrylate	9.116	69	87333	49.097	ug/l	95
57) 1,3-Dichloropropane	9.311	76	91078	50.132	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	217289	262.563	ug/l	94
59) 2-Hexanone	9.433	43	307186	235.345	ug/l	97
60) Dibromochloromethane	9.524	129	61015	48.364	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59041	49.733	ug/l	98
64) Tetrachloroethene	9.274	164	61897	51.301	ug/l	93
65) Chlorobenzene	10.079	112	151073	50.666	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	56151	49.106	ug/l	99
67) Ethyl Benzene	10.195	91	262717	50.986	ug/l	98
68) m/p-Xylenes	10.305	106	208980	99.293	ug/l	94
69) o-Xylene	10.646	106	103782	50.381	ug/l	91
70) Styrene	10.658	104	173896	51.100	ug/l	96
71) Bromoform	10.805	173	46945	47.288	ug/l #	99
73) Isopropylbenzene	10.963	105	265298	49.306	ug/l	98
74) N-amyl acetate	10.847	43	111553	47.932	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	83887	48.199	ug/l	100
76) 1,2,3-Trichloropropane	11.244	75	76372m	49.398	ug/l	
77) Bromobenzene	11.201	156	68595	49.572	ug/l	95
78) n-propylbenzene	11.305	91	306439	50.737	ug/l	98
79) 2-Chlorotoluene	11.365	91	179817	48.903	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	221447	48.962	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	27207	44.332	ug/l	91
82) 4-Chlorotoluene	11.457	91	205013	48.843	ug/l	95
83) tert-Butylbenzene	11.719	119	220598	47.994	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	221805	49.619	ug/l	96
85) sec-Butylbenzene	11.890	105	277915	49.734	ug/l	97
86) p-Isopropyltoluene	12.012	119	236220	49.200	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	128012	49.696	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	128206	49.120	ug/l	98
89) n-Butylbenzene	12.335	91	201586	49.814	ug/l	97
90) Hexachloroethane	12.542	117	39496	44.640	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	125034	49.808	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.944	75	17978	49.453	ug/l	81
93) 1,2,4-Trichlorobenzene	13.591	180	80502	54.484	ug/l	98
94) Hexachlorobutadiene	13.725	225	33223	46.829	ug/l	99
95) Naphthalene	13.774	128	273740	53.764	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	80811	55.908	ug/l	99

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

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