

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
 Data File : VX025400.D
 Acq On : 01 Dec 2021 09:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2021
 Supervised By : Mahesh Dadoda 12/02/2021

Quant Time: Dec 02 08:25:14 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	5.550	168	100985	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155191	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	142758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	52824	49.626	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.260%			
35) Dibromofluoromethane	5.385	113	47878	50.281	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.560%			
50) Toluene-d8	8.647	98	176056	49.176	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.360%			
62) 4-Bromofluorobenzene	11.079	95	66504	49.102	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.200%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	48559	55.472	ug/l	99
3) Chloromethane	1.288	50	48960	45.171	ug/l	99
4) Vinyl Chloride	1.374	62	54255	45.592	ug/l	98
5) Bromomethane	1.599	94	26048	50.912	ug/l	100
6) Chloroethane	1.679	64	35848	43.659	ug/l	99
7) Trichlorofluoromethane	1.886	101	83927	47.516	ug/l	96
8) Diethyl Ether	2.130	74	33741	46.288	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.325	101	50252	53.471	ug/l	98
10) Methyl Iodide	2.453	142	61626	52.444	ug/l	93
11) Tert butyl alcohol	2.965	59	52817	198.759	ug/l	97
12) 1,1-Dichloroethene	2.319	96	45896	49.036	ug/l	88
13) Acrolein	2.233	56	14874	305.015	ug/l	99
14) Allyl chloride	2.660	41	76907	45.401	ug/l	96
15) Acrylonitrile	3.063	53	130153	227.854	ug/l	98
16) Acetone	2.380	43	149526	252.802	ug/l	97
17) Carbon Disulfide	2.508	76	111745	42.441	ug/l	99
18) Methyl Acetate	2.703	43	83680	44.280	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	159280	48.841	ug/l	99
20) Methylene Chloride	2.788	84	51573	46.384	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	50072	48.834	ug/l	85
22) Diisopropyl ether	3.758	45	159980	49.592	ug/l	100
23) Vinyl Acetate	3.721	43	621313	239.773	ug/l	97
24) 1,1-Dichloroethane	3.611	63	87608	49.702	ug/l	96
25) 2-Butanone	4.550	43	197439	230.884	ug/l	99
26) 2,2-Dichloropropane	4.477	77	79995	50.058	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	59159	49.406	ug/l	90
28) Bromochloromethane	4.898	49	39633	48.220	ug/l	92
29) Tetrahydrofuran	5.001	42	115527	218.188	ug/l	98
30) Chloroform	5.093	83	92372	50.356	ug/l	93
31) Cyclohexane	5.465	56	78441	47.687	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	83960	49.993	ug/l	98
36) 1,1-Dichloropropene	5.690	75	67056	49.525	ug/l	97
37) Ethyl Acetate	4.709	43	70307	45.639	ug/l	99
38) Carbon Tetrachloride	5.672	117	76843	51.527	ug/l	98
39) Methylcyclohexane	7.379	83	85747	49.372	ug/l	95
40) Benzene	6.038	78	201861	49.215	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39309	45.974	ug/l	98
42) 1,2-Dichloroethane	6.086	62	69607	52.156	ug/l	93
43) Isopropyl Acetate	6.336	43	118527	46.232	ug/l	98
44) Trichloroethene	7.123	130	60362	50.660	ug/l	92
45) 1,2-Dichloropropane	7.428	63	50005	49.638	ug/l	97
46) Dibromomethane	7.580	93	36576	50.015	ug/l	93
47) Bromodichloromethane	7.818	83	72618	50.530	ug/l	94
48) Methyl methacrylate	7.690	41	55372	46.020	ug/l	96
49) 1,4-Dioxane	7.659	88	20949	824.480	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	368967	229.516	ug/l	98
52) Toluene	8.720	92	132716	49.562	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	79538	49.768	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	85491	49.349	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	54316	51.035	ug/l	97
56) Ethyl methacrylate	9.116	69	83272	48.214	ug/l	96
57) 1,3-Dichloropropane	9.305	76	87637	49.680	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	193645	240.987	ug/l	96
59) 2-Hexanone	9.433	43	292788	231.019	ug/l	96
60) Dibromochloromethane	9.519	129	60364	49.278	ug/l	100
61) 1,2-Dibromoethane	9.610	107	57488	49.872	ug/l	98
64) Tetrachloroethene	9.275	164	60778	51.630	ug/l	91
65) Chlorobenzene	10.080	112	147245	50.615	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	56338	50.499	ug/l	99
67) Ethyl Benzene	10.195	91	257660	51.252	ug/l	98
68) m/p-Xylenes	10.299	106	204859	99.764	ug/l	94
69) o-Xylene	10.640	106	102582	51.041	ug/l	90
70) Styrene	10.653	104	167904	50.570	ug/l	97
71) Bromoform	10.799	173	45945	47.435	ug/l #	99
73) Isopropylbenzene	10.964	105	262755	49.331	ug/l	98
74) N-amyl acetate	10.842	43	104576	45.392	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	80083	46.483	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	74793m	48.870	ug/l	
77) Bromobenzene	11.201	156	66987	48.903	ug/l	93
78) n-propylbenzene	11.305	91	303589	50.778	ug/l	97
79) 2-Chlorotoluene	11.366	91	176136	48.391	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	221766	49.533	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	27486	45.243	ug/l	90
82) 4-Chlorotoluene	11.457	91	205512	49.462	ug/l	96
83) tert-Butylbenzene	11.720	119	223799	49.186	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	221406	50.035	ug/l	96
85) sec-Butylbenzene	11.890	105	283298	51.215	ug/l	98
86) p-Isopropyltoluene	12.012	119	241479	50.809	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	127897	50.158	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	127211	49.235	ug/l	97
89) n-Butylbenzene	12.335	91	206146	51.460	ug/l	97
90) Hexachloroethane	12.543	117	41352	47.214	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	122420	49.264	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	16506	45.866	ug/l	85
93) 1,2,4-Trichlorobenzene	13.591	180	78788	53.867	ug/l	99
94) Hexachlorobutadiene	13.725	225	35965	51.211	ug/l	98
95) Naphthalene	13.780	128	246139	48.801	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	80246	56.083	ug/l	98

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

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