

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112122\
 Data File : VX032966.D
 Acq On : 21 Nov 2022 20:32
 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 11/22/2022
 Supervised By : Mahesh Dadoda 11/25/2022

Quant Time: Nov 22 05:14:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	87359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136088	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	125868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70058	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	62154	51.205	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.400%			
35) Dibromofluoromethane	5.385	113	53111	54.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.420%			
50) Toluene-d8	8.647	98	169372	50.178	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.360%			
62) 4-Bromofluorobenzene	11.079	95	74940	56.836	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	39177	38.883	ug/l	97
3) Chloromethane	1.294	50	33975	39.873	ug/l	99
4) Vinyl Chloride	1.374	62	40796	43.503	ug/l	99
5) Bromomethane	1.617	94	39904	53.247	ug/l	98
6) Chloroethane	1.691	64	40396	64.211	ug/l	99
7) Trichlorofluoromethane	1.892	101	86036	48.420	ug/l	98
8) Diethyl Ether	2.136	74	29302	50.888	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	48789	52.023	ug/l	98
10) Methyl Iodide	2.453	142	53033	50.808	ug/l	99
11) Tert butyl alcohol	2.989	59	38955m	220.493	ug/l	
12) 1,1-Dichloroethene	2.318	96	41780	47.689	ug/l	95
13) Acrolein	2.239	56	49494	280.622	ug/l	99
14) Allyl chloride	2.666	41	68841	49.293	ug/l	99
15) Acrylonitrile	3.062	53	117508	245.076	ug/l	99
16) Acetone	2.386	43	101557	230.198	ug/l	97
17) Carbon Disulfide	2.514	76	75946	36.395	ug/l	99
18) Methyl Acetate	2.703	43	77624	54.107	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	165817	53.851	ug/l	100
20) Methylene Chloride	2.788	84	49477	48.913	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	45560	47.775	ug/l	97
22) Diisopropyl ether	3.757	45	173199	57.336	ug/l	91
23) Vinyl Acetate	3.721	43	631906	258.922	ug/l	99
24) 1,1-Dichloroethane	3.611	63	93858	54.018	ug/l	98
25) 2-Butanone	4.556	43	161208	235.857	ug/l	96
26) 2,2-Dichloropropane	4.477	77	70996	51.402	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	59369	53.860	ug/l	99
28) Bromochloromethane	4.897	49	29514	47.688	ug/l	99
29) Tetrahydrofuran	5.007	42	101361	232.564	ug/l	99
30) Chloroform	5.098	83	108593	56.957	ug/l	96
31) Cyclohexane	5.470	56	68376	46.459	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	95023	55.540	ug/l	100
36) 1,1-Dichloropropene	5.696	75	69560	51.458	ug/l	99
37) Ethyl Acetate	4.708	43	64749	46.016	ug/l	99
38) Carbon Tetrachloride	5.678	117	81422	54.306	ug/l	98
39) Methylcyclohexane	7.385	83	74262	46.432	ug/l	99
40) Benzene	6.037	78	205351	53.682	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	39815	55.546	ug/l	97
42) 1,2-Dichloroethane	6.086	62	88515	56.606	ug/l	100
43) Isopropyl Acetate	6.336	43	112060	51.869	ug/l	99
44) Trichloroethene	7.123	130	59475	55.230	ug/l	98
45) 1,2-Dichloropropane	7.433	63	55411	56.429	ug/l	99
46) Dibromomethane	7.580	93	41381	54.949	ug/l	99
47) Bromodichloromethane	7.824	83	86989	60.947	ug/l	99
48) Methyl methacrylate	7.689	41	58088	52.060	ug/l	99
49) 1,4-Dioxane	7.696	88	18928	890.136	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	360116	264.633	ug/l	100
52) Toluene	8.720	92	137097	54.932	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	83851	57.579	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	87919	56.445	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	60890	57.931	ug/l	99
56) Ethyl methacrylate	9.116	69	85587	56.584	ug/l	98
57) 1,3-Dichloropropane	9.311	76	97013	57.155	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	186485	256.051	ug/l	99
59) 2-Hexanone	9.433	43	259621	257.117	ug/l	100
60) Dibromochloromethane	9.518	129	67684	58.956	ug/l	99
61) 1,2-Dibromoethane	9.610	107	61853	55.539	ug/l	99
64) Tetrachloroethene	9.275	164	49962	54.232	ug/l	98
65) Chlorobenzene	10.079	112	154809	54.907	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	63073	59.438	ug/l	99
67) Ethyl Benzene	10.195	91	276779	54.895	ug/l	100
68) m/p-Xylenes	10.299	106	216046	110.350	ug/l	99
69) o-Xylene	10.640	106	106639	56.022	ug/l	99
70) Styrene	10.652	104	183740	58.081	ug/l	99
71) Bromoform	10.799	173	48664	58.003	ug/l #	99
73) Isopropylbenzene	10.963	105	293415	52.853	ug/l	99
74) N-amyl acetate	10.841	43	105141	50.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	91467	51.330	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	80906m	51.909	ug/l	
77) Bromobenzene	11.201	156	71506	52.539	ug/l	98
78) n-propylbenzene	11.305	91	333665	52.167	ug/l	100
79) 2-Chlorotoluene	11.366	91	204041	53.268	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	251320	52.969	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23933	48.861	ug/l	97
82) 4-Chlorotoluene	11.457	91	238956	53.312	ug/l	99
83) tert-Butylbenzene	11.713	119	255871	54.016	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	251918	53.383	ug/l	99
85) sec-Butylbenzene	11.890	105	304494	53.422	ug/l	100
86) p-Isopropyltoluene	12.012	119	256154	52.963	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	135560	52.802	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	138859	52.135	ug/l	99
89) n-Butylbenzene	12.335	91	220928	52.507	ug/l	99
90) Hexachloroethane	12.536	117	42674	54.019	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	136590	53.957	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.945	75	18296	46.828	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	82094	49.736	ug/l	98
94) Hexachlorobutadiene	13.725	225	34442	49.963	ug/l	99
95) Naphthalene	13.774	128	266577	48.469	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	83656	49.859	ug/l	99

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

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