

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110922\
 Data File : VX032695.D
 Acq On : 09 Nov 2022 21:16
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 10 03:08:07 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

Manual Integrations APPROVED

Reviewed By : John Carlone 11/10/2022
 Supervised By : Mahesh Dadoda 11/10/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	107700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	170420	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	156355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	84183	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	73026	48.799	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.600%		
35) Dibromofluoromethane	5.385	113	60642	49.886	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.780%		
50) Toluene-d8	8.647	98	202065	47.803	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.600%		
62) 4-Bromofluorobenzene	11.079	95	83706	50.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	61420	49.446	ug/l	97
3) Chloromethane	1.295	50	49231	46.865	ug/l	99
4) Vinyl Chloride	1.374	62	56487	48.859	ug/l	99
5) Bromomethane	1.618	94	30594	33.114	ug/l	97
6) Chloroethane	1.691	64	51737	66.706	ug/l	100
7) Trichlorofluoromethane	1.886	101	111550	50.922	ug/l	98
8) Diethyl Ether	2.130	74	36529	51.457	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	59797	51.718	ug/l	99
10) Methyl Iodide	2.453	142	50748	39.865	ug/l	100
11) Tert butyl alcohol	2.995	59	49396	226.786	ug/l	98
12) 1,1-Dichloroethene	2.319	96	54083	50.073	ug/l	95
13) Acrolein	2.239	56	47136	216.777	ug/l	94
14) Allyl chloride	2.666	41	89913	52.222	ug/l	97
15) Acrylonitrile	3.069	53	144487	244.430	ug/l	98
16) Acetone	2.386	43	126876	233.273	ug/l	99
17) Carbon Disulfide	2.514	76	114209	44.394	ug/l	99
18) Methyl Acetate	2.703	43	94803	53.601	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	205993	54.263	ug/l	99
20) Methylene Chloride	2.788	84	63377	50.821	ug/l	96
21) trans-1,2-Dichloroethene	3.093	96	58595	49.840	ug/l	95
22) Diisopropyl ether	3.758	45	203407	54.619	ug/l	92
23) Vinyl Acetate	3.721	43	781241	259.653	ug/l	100
24) 1,1-Dichloroethane	3.611	63	114357	53.385	ug/l	99
25) 2-Butanone	4.562	43	197166	233.984	ug/l	98
26) 2,2-Dichloropropane	4.477	77	87036	51.113	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	73208	53.871	ug/l	99
28) Bromochloromethane	4.898	49	35962	47.132	ug/l	99
29) Tetrahydrofuran	5.007	42	126574	235.563	ug/l	99
30) Chloroform	5.093	83	128961	54.865	ug/l	99
31) Cyclohexane	5.471	56	90815	50.051	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	115476	54.747	ug/l	99
36) 1,1-Dichloropropene	5.696	75	86713	51.224	ug/l	99
37) Ethyl Acetate	4.709	43	79879	45.333	ug/l	99
38) Carbon Tetrachloride	5.678	117	99794	53.151	ug/l	99
39) Methylcyclohexane	7.379	83	94523	47.194	ug/l	98
40) Benzene	6.038	78	249281	52.038	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46611	51.927	ug/l	97
42) 1,2-Dichloroethane	6.086	62	103422	52.815	ug/l	99
43) Isopropyl Acetate	6.342	43	137972	50.997	ug/l	99
44) Trichloroethene	7.129	130	69119	51.255	ug/l	98
45) 1,2-Dichloropropane	7.428	63	65739	53.460	ug/l	99
46) Dibromomethane	7.580	93	48438	51.362	ug/l	99
47) Bromodichloromethane	7.824	83	97715	54.670	ug/l	99
48) Methyl methacrylate	7.690	41	70468	50.432	ug/l	99
49) 1,4-Dioxane	7.702	88	23605	886.452	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	421905	247.580	ug/l	100
52) Toluene	8.720	92	164555	52.651	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	99440	54.528	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	105756	54.219	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	70781	53.775	ug/l	99
56) Ethyl methacrylate	9.116	69	103174	54.470	ug/l	99
57) 1,3-Dichloropropane	9.311	76	112248	52.809	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	238003	260.954	ug/l	100
59) 2-Hexanone	9.433	43	306595	242.468	ug/l	99
60) Dibromochloromethane	9.525	129	76292	53.067	ug/l	99
61) 1,2-Dibromoethane	9.610	107	73510	52.709	ug/l	99
64) Tetrachloroethene	9.275	164	57419	50.174	ug/l	96
65) Chlorobenzene	10.080	112	181029	51.687	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	70254	53.297	ug/l	99
67) Ethyl Benzene	10.195	91	339508	54.207	ug/l	99
68) m/p-Xylenes	10.299	106	260181	106.981	ug/l	100
69) o-Xylene	10.640	106	128311	54.263	ug/l	99
70) Styrene	10.659	104	212825	54.157	ug/l	99
71) Bromoform	10.799	173	53513	51.346	ug/l #	97
73) Isopropylbenzene	10.964	105	341144	51.140	ug/l	100
74) N-amyl acetate	10.842	43	128918	51.148	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	104746	48.919	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92272m	49.268	ug/l	
77) Bromobenzene	11.201	156	83981	51.351	ug/l	99
78) n-propylbenzene	11.305	91	392243	51.036	ug/l	100
79) 2-Chlorotoluene	11.366	91	237010	51.493	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	293624	51.501	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	23853	40.527	ug/l	97
82) 4-Chlorotoluene	11.457	91	276906	51.413	ug/l	100
83) tert-Butylbenzene	11.713	119	296468	52.085	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	296769	52.336	ug/l	100
85) sec-Butylbenzene	11.890	105	349695	51.058	ug/l	99
86) p-Isopropyltoluene	12.012	119	296753	51.062	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	159119	51.579	ug/l	100
88) 1,4-Dichlorobenzene	12.043	146	160111	50.028	ug/l	99
89) n-Butylbenzene	12.335	91	251613	49.766	ug/l	100
90) Hexachloroethane	12.536	117	46053	48.515	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	158116	51.980	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	21256	45.276	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	95873	48.338	ug/l	98
94) Hexachlorobutadiene	13.725	225	40845	49.309	ug/l	98
95) Naphthalene	13.774	128	320831	48.546	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	96208	47.719	ug/l	98

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

