

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100923\
 Data File : VX038184.D
 Acq On : 09 Oct 2023 20:01
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/10/2023
 Supervised By : Mahesh Dadoda 10/10/2023

Quant Time: Oct 10 01:03:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X100523W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 05 15:27:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	143353	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241229	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135082	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	109696	47.575	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.160%			
35) Dibromofluoromethane	5.385	113	87274	50.209	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	8.647	98	331137	49.854	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.700%			
62) 4-Bromofluorobenzene	11.079	95	127435	50.608	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	73759	53.305	ug/l	97
3) Chloromethane	1.301	50	67499	47.861	ug/l	98
4) Vinyl Chloride	1.374	62	79243	50.678	ug/l	99
5) Bromomethane	1.599	94	116413	56.801	ug/l	97
6) Chloroethane	1.679	64	62742	54.411	ug/l	100
7) Trichlorofluoromethane	1.886	101	162589	52.642	ug/l	97
8) Diethyl Ether	2.130	74	58418	50.715	ug/l	81
9) 1,1,2-Trichlorotrifluo...	2.331	101	67319	49.927	ug/l	96
10) Methyl Iodide	2.453	142	95306	49.126	ug/l	95
11) Tert butyl alcohol	2.959	59	109456	213.426	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	66019	50.336	ug/l	89
13) Acrolein	2.233	56	94375	287.917	ug/l	97
14) Allyl chloride	2.666	41	112036	47.757	ug/l	93
15) Acrylonitrile	3.063	53	250588	238.816	ug/l	99
16) Acetone	2.380	43	216495	224.977	ug/l	92
17) Carbon Disulfide	2.514	76	171514	45.372	ug/l	99
18) Methyl Acetate	2.703	43	201902	48.926	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	257818	49.357	ug/l	98
20) Methylene Chloride	2.788	84	82882	45.789	ug/l	91
21) trans-1,2-Dichloroethene	3.093	96	79526	48.972	ug/l	91
22) Diisopropyl ether	3.764	45	239763	48.765	ug/l	85
23) Vinyl Acetate	3.721	43	902156	250.206	ug/l	97
24) 1,1-Dichloroethane	3.611	63	144821	48.535	ug/l	98
25) 2-Butanone	4.550	43	363304	233.990	ug/l	93
26) 2,2-Dichloropropane	4.477	77	108894	46.743	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	95838	49.554	ug/l	90
28) Bromochloromethane	4.898	49	67473	50.091	ug/l	87
29) Tetrahydrofuran	5.001	42	234165	231.647	ug/l	88
30) Chloroform	5.093	83	164071	50.283	ug/l	98
31) Cyclohexane	5.471	56	120633	48.290	ug/l	93
32) 1,1,1-Trichloroethane	5.385	97	141644	50.682	ug/l	99
36) 1,1-Dichloropropene	5.696	75	118250	49.333	ug/l	99
37) Ethyl Acetate	4.715	43	137313	48.236	ug/l	97
38) Carbon Tetrachloride	5.678	117	120437	51.076	ug/l	97
39) Methylcyclohexane	7.379	83	138542	49.345	ug/l	94
40) Benzene	6.044	78	337031	50.272	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	69773	49.270	ug/l #	88
42) 1,2-Dichloroethane	6.086	62	132947	49.634	ug/l	99
43) Isopropyl Acetate	6.342	43	212830	50.081	ug/l	97
44) Trichloroethene	7.123	130	89088	50.806	ug/l	100
45) 1,2-Dichloropropane	7.428	63	87192	50.250	ug/l	97
46) Dibromomethane	7.580	93	68396	50.823	ug/l	98
47) Bromodichloromethane	7.824	83	126625	52.891	ug/l	98
48) Methyl methacrylate	7.690	41	102187	50.370	ug/l #	86
49) 1,4-Dioxane	7.659	88	45233	904.800	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	727761	248.277	ug/l	96
52) Toluene	8.720	92	222278	50.898	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	136646	53.174	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	142277	52.697	ug/l	92
55) 1,1,2-Trichloroethane	9.153	97	96574	51.700	ug/l	93
56) Ethyl methacrylate	9.116	69	146384	51.112	ug/l	92
57) 1,3-Dichloropropane	9.305	76	155933	51.614	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	351308	249.897	ug/l	100
59) 2-Hexanone	9.427	43	586731	248.983	ug/l	96
60) Dibromochloromethane	9.519	129	99582	54.471	ug/l	99
61) 1,2-Dibromoethane	9.610	107	106451	52.698	ug/l	100
64) Tetrachloroethene	9.275	164	77510	48.900	ug/l	97
65) Chlorobenzene	10.080	112	248606	48.522	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	91623	52.884	ug/l	100
67) Ethyl Benzene	10.195	91	449165	49.113	ug/l	100
68) m/p-Xylenes	10.299	106	344077	97.300	ug/l	100
69) o-Xylene	10.640	106	168989	48.963	ug/l	100
70) Styrene	10.653	104	288236	51.282	ug/l	97
71) Bromoform	10.799	173	75015	46.864	ug/l #	99
73) Isopropylbenzene	10.964	105	450622	49.743	ug/l	99
74) N-amyl acetate	10.842	43	194437	50.261	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	167233	50.309	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	153440m	49.965	ug/l	
77) Bromobenzene	11.195	156	110540	49.980	ug/l	92
78) n-propylbenzene	11.305	91	542659	48.990	ug/l	100
79) 2-Chlorotoluene	11.366	91	317014	48.258	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	390611	49.979	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	46341	44.542	ug/l	94
82) 4-Chlorotoluene	11.451	91	379424	48.810	ug/l	97
83) tert-Butylbenzene	11.713	119	380151	49.779	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	390199	50.074	ug/l	99
85) sec-Butylbenzene	11.890	105	497086	50.248	ug/l	99
86) p-Isopropyltoluene	12.012	119	414450	50.779	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	215411	48.491	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	217050	47.859	ug/l	98
89) n-Butylbenzene	12.329	91	396354	48.761	ug/l	96
90) Hexachloroethane	12.536	117	71116	52.552	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	208558	48.842	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	40179	49.992	ug/l	87
93) 1,2,4-Trichlorobenzene	13.585	180	136897	47.800	ug/l	97
94) Hexachlorobutadiene	13.725	225	55662	48.288	ug/l	100
95) Naphthalene	13.774	128	473941	47.519	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	135709	48.938	ug/l	99

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

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