

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040316.D
 Acq On : 17 Feb 2024 20:28
 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 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 19 04:02:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	68904	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	116060	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	61912	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	51399	50.141	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.280%			
35) Dibromofluoromethane	5.379	113	41533	51.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.480%			
50) Toluene-d8	8.647	98	151910	50.105	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.200%			
62) 4-Bromofluorobenzene	11.079	95	63417	51.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.580%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.167	85	40304	51.782	ug/l	99
3) Chloromethane	1.295	50	40314	50.228	ug/l	99
4) Vinyl Chloride	1.374	62	43599	51.403	ug/l	100
5) Bromomethane	1.599	94	28458	59.457	ug/l	99
6) Chloroethane	1.679	64	27145	50.745	ug/l	100
7) Trichlorofluoromethane	1.886	101	70555	51.798	ug/l	100
8) Diethyl Ether	2.130	74	26070	50.950	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	38730	53.008	ug/l	98
10) Methyl Iodide	2.453	142	47010	57.954	ug/l	92
11) Tert butyl alcohol	2.959	59	52277	261.815	ug/l	# 91
12) 1,1-Dichloroethene	2.319	96	37477	53.273	ug/l	88
13) Acrolein	2.233	56	45541	247.104	ug/l	99
14) Allyl chloride	2.660	41	65075	53.304	ug/l	96
15) Acrylonitrile	3.063	53	124962	279.707	ug/l	100
16) Acetone	2.374	43	101555	241.216	ug/l	94
17) Carbon Disulfide	2.514	76	87953	47.357	ug/l	99
18) Methyl Acetate	2.703	43	55984	49.604	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	136548	55.096	ug/l	99
20) Methylene Chloride	2.788	84	44305	56.337	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	41322	51.575	ug/l	89
22) Diisopropyl ether	3.758	45	138988	56.136	ug/l	98
23) Vinyl Acetate	3.721	43	623868	282.656	ug/l	98
24) 1,1-Dichloroethane	3.605	63	78118	54.165	ug/l	100
25) 2-Butanone	4.550	43	171196	260.137	ug/l	97
26) 2,2-Dichloropropane	4.471	77	51827	46.682	ug/l	95
27) cis-1,2-Dichloroethene	4.489	96	49216	53.847	ug/l	93
28) Bromochloromethane	4.898	49	32232	52.639	ug/l	93
29) Tetrahydrofuran	4.995	42	116381	271.444	ug/l	97
30) Chloroform	5.093	83	85428	54.786	ug/l	98
31) Cyclohexane	5.471	56	61143	50.007	ug/l	94
32) 1,1,1-Trichloroethane	5.385	97	70062	53.409	ug/l	98
36) 1,1-Dichloropropene	5.696	75	58422	51.456	ug/l	98
37) Ethyl Acetate	4.709	43	67847	53.705	ug/l	99
38) Carbon Tetrachloride	5.678	117	56962	52.766	ug/l	99
39) Methylcyclohexane	7.379	83	64423	48.825	ug/l	94
40) Benzene	6.038	78	172490	54.327	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	35914	53.625	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	67070	54.044	ug/l	99
43) Isopropyl Acetate	6.336	43	107053	54.283	ug/l	98
44) Trichloroethene	7.123	130	48317	55.169	ug/l	99
45) 1,2-Dichloropropane	7.428	63	46687	56.494	ug/l	93
46) Dibromomethane	7.580	93	34552	56.770	ug/l	95
47) Bromodichloromethane	7.818	83	67454	57.519	ug/l	99
48) Methyl methacrylate	7.690	41	54459	53.968	ug/l	92
49) 1,4-Dioxane	7.659	88	23986	1092.629	ug/l #	89
51) 4-Methyl-2-Pentanone	8.574	43	380386	282.511	ug/l	100
52) Toluene	8.714	92	112607	54.146	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	69796	50.013	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	73229	55.717	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	49008	55.251	ug/l	93
56) Ethyl methacrylate	9.116	69	74215	55.889	ug/l	95
57) 1,3-Dichloropropane	9.305	76	80598	55.669	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	160290	255.169	ug/l	98
59) 2-Hexanone	9.427	43	295681	276.977	ug/l	98
60) Dibromochloromethane	9.519	129	50559	55.946	ug/l	99
61) 1,2-Dibromoethane	9.610	107	51889	55.035	ug/l	99
64) Tetrachloroethene	9.275	164	41199	51.785	ug/l	97
65) Chlorobenzene	10.080	112	123778	52.240	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	45823	55.839	ug/l	99
67) Ethyl Benzene	10.189	91	226888	53.766	ug/l	98
68) m/p-Xylenes	10.299	106	170463	106.957	ug/l	99
69) o-Xylene	10.640	106	83861	54.147	ug/l	98
70) Styrene	10.653	104	143903	55.886	ug/l	98
71) Bromoform	10.799	173	38053	49.396	ug/l #	99
73) Isopropylbenzene	10.964	105	230237	52.799	ug/l	100
74) N-amyl acetate	10.842	43	103683	55.471	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.214	83	85545	54.603	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	69717m	55.607	ug/l	
77) Bromobenzene	11.195	156	54947	53.350	ug/l	97
78) n-propylbenzene	11.305	91	278297	52.714	ug/l	98
79) 2-Chlorotoluene	11.366	91	162779	51.061	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	194488	52.977	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	20859	46.953	ug/l	96
82) 4-Chlorotoluene	11.451	91	193374	51.195	ug/l	99
83) tert-Butylbenzene	11.713	119	185994	51.676	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	197006	53.042	ug/l	100
85) sec-Butylbenzene	11.890	105	246364	53.262	ug/l	100
86) p-Isopropyltoluene	12.006	119	200722	52.938	ug/l	98
87) 1,3-Dichlorobenzene	11.970	146	106824	52.347	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	108592	50.253	ug/l	98
89) n-Butylbenzene	12.329	91	190072	51.931	ug/l	98
90) Hexachloroethane	12.536	117	32501	54.343	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	105871	53.592	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19837	54.861	ug/l	94
93) 1,2,4-Trichlorobenzene	13.585	180	68042	50.309	ug/l	97
94) Hexachlorobutadiene	13.725	225	26481	49.059	ug/l	97
95) Naphthalene	13.774	128	224958	52.664	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	68120	52.840	ug/l	98

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

