

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042224\
 Data File : VX041203.D
 Acq On : 22 Apr 2024 20:24
 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 04/23/2024
 Supervised By : Mahesh Dadoda 04/23/2024

Quant Time: Apr 23 05:42:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	184125	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	281869	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	119056	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	110091	62.811	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 125.620%#			
35) Dibromofluoromethane	5.385	113	95786	55.866	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.740%			
50) Toluene-d8	8.647	98	292744	50.606	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.220%			
62) 4-Bromofluorobenzene	11.079	95	114072	53.426	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.167	85	55916	38.395	ug/l	99
3) Chloromethane	1.295	50	78971	50.086	ug/l	100
4) Vinyl Chloride	1.374	62	74202	47.061	ug/l	98
5) Bromomethane	1.593	94	34296	38.631	ug/l	97
6) Chloroethane	1.666	64	25350	42.320	ug/l	98
7) Trichlorofluoromethane	1.861	101	99111	40.567	ug/l	97
8) Diethyl Ether	2.136	74	55031	61.208	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.313	101	52699	36.662	ug/l #	85
10) Methyl Iodide	2.441	142	82377	47.523	ug/l	91
11) Tert butyl alcohol	3.026	59	114097	363.364	ug/l #	94
12) 1,1-Dichloroethene	2.307	96	57942	43.180	ug/l	86
13) Acrolein	2.239	56	95127	270.059	ug/l	93
14) Allyl chloride	2.654	41	122819	56.343	ug/l	96
15) Acrylonitrile	3.069	53	264969	330.232	ug/l	99
16) Acetone	2.392	43	200465	314.214	ug/l	95
17) Carbon Disulfide	2.502	76	143279	51.114	ug/l	97
18) Methyl Acetate	2.709	43	112680	59.706	ug/l	96
19) Methyl tert-butyl Ether	3.117	73	313139	65.278	ug/l	100
20) Methylene Chloride	2.788	84	85194	54.677	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	73728	49.720	ug/l	86
22) Diisopropyl ether	3.764	45	291266	61.800	ug/l	90
23) Vinyl Acetate	3.721	43	1387112	344.027	ug/l	95
24) 1,1-Dichloroethane	3.605	63	153967	58.441	ug/l	96
25) 2-Butanone	4.568	43	372856	342.209	ug/l	94
26) 2,2-Dichloropropane	4.471	77	104376	46.876	ug/l	93
27) cis-1,2-Dichloroethene	4.483	96	105922	57.629	ug/l	86
28) Bromochloromethane	4.898	49	55988	56.000	ug/l #	70
29) Tetrahydrofuran	5.007	42	254554	342.940	ug/l	93
30) Chloroform	5.093	83	166293	58.807	ug/l	97
31) Cyclohexane	5.465	56	91527	38.800	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	128533	50.704	ug/l	95
36) 1,1-Dichloropropene	5.690	75	85971	39.188	ug/l	95
37) Ethyl Acetate	4.721	43	153592	63.812	ug/l	98
38) Carbon Tetrachloride	5.672	117	105399	43.014	ug/l	100
39) Methylcyclohexane	7.379	83	100730	34.617	ug/l	90
40) Benzene	6.031	78	335120	49.461	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	79855	63.728	ug/l	92
42) 1,2-Dichloroethane	6.086	62	130173	55.411	ug/l	93
43) Isopropyl Acetate	6.342	43	235705	60.791	ug/l	96
44) Trichloroethene	7.123	130	87965	44.656	ug/l	87
45) 1,2-Dichloropropane	7.428	63	87250	53.708	ug/l	98
46) Dibromomethane	7.580	93	68760	56.763	ug/l #	74
47) Bromodichloromethane	7.818	83	130430	58.414	ug/l	97
48) Methyl methacrylate	7.696	41	115088	62.755	ug/l	91
49) 1,4-Dioxane	7.671	88	52043	1318.446	ug/l #	87
51) 4-Methyl-2-Pentanone	8.580	43	767842	316.383	ug/l	96
52) Toluene	8.720	92	208894	48.930	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	127204	58.079	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	138330	55.558	ug/l	91
55) 1,1,2-Trichloroethane	9.153	97	98680	59.236	ug/l	99
56) Ethyl methacrylate	9.116	69	160974	63.208	ug/l	93
57) 1,3-Dichloropropane	9.305	76	157859	57.244	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.245	63	332245	268.049	ug/l	92
59) 2-Hexanone	9.433	43	596594	320.565	ug/l	94
60) Dibromochloromethane	9.519	129	117448	61.074	ug/l	100
61) 1,2-Dibromoethane	9.610	107	105048	58.774	ug/l	100
64) Tetrachloroethene	9.275	164	78581	40.539	ug/l	90
65) Chlorobenzene	10.080	112	248072	47.691	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	97006	54.446	ug/l	98
67) Ethyl Benzene	10.195	91	369311	44.490	ug/l	98
68) m/p-Xylenes	10.299	106	297904	88.899	ug/l	91
69) o-Xylene	10.640	106	156934	48.151	ug/l	90
70) Styrene	10.653	104	269532	50.833	ug/l	94
71) Bromoform	10.799	173	102274	67.142	ug/l #	100
73) Isopropylbenzene	10.964	105	360454	48.660	ug/l	96
74) N-amyl acetate	10.842	43	205416	70.558	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	158988	68.057	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	126109m	65.743	ug/l	
77) Bromobenzene	11.195	156	123339	57.216	ug/l	76
78) n-propylbenzene	11.305	91	374743	46.851	ug/l	94
79) 2-Chlorotoluene	11.366	91	258107	50.993	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	312500	50.708	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	43537	64.035	ug/l	91
82) 4-Chlorotoluene	11.457	91	288778	50.345	ug/l	91
83) tert-Butylbenzene	11.713	119	342709	51.930	ug/l	88
84) 1,2,4-Trimethylbenzene	11.750	105	321455	52.554	ug/l	92
85) sec-Butylbenzene	11.890	105	358644	47.060	ug/l	94
86) p-Isopropyltoluene	12.006	119	287010	42.736	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	182054	47.015	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	186070	46.833	ug/l	94
89) n-Butylbenzene	12.329	91	218245	42.800	ug/l	97
90) Hexachloroethane	12.536	117	55854	50.418	ug/l	59
91) 1,2-Dichlorobenzene	12.335	146	202308	52.162	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	36700	74.871	ug/l #	48
93) 1,2,4-Trichlorobenzene	13.585	180	147842	54.978	ug/l	96
94) Hexachlorobutadiene	13.725	225	60883	44.314	ug/l	98
95) Naphthalene	13.774	128	518665	67.129	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	162525	57.379	ug/l	95

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

