

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032524\
 Data File : VX040783.D
 Acq On : 25 Mar 2024 09:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/26/2024
 Supervised By : Mahesh Dadoda 03/26/2024

Quant Time: Mar 26 04:42:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:44:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	51899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	86072	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	76293	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	37956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	43779	50.167	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.340%			
35) Dibromofluoromethane	5.379	113	31406	48.764	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.520%			
50) Toluene-d8	8.647	98	103500	46.934	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.860%			
62) 4-Bromofluorobenzene	11.079	95	42159	48.388	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.167	85	38004	56.586	ug/l	98
3) Chloromethane	1.301	50	32595	47.449	ug/l	97
4) Vinyl Chloride	1.374	62	36058	55.435	ug/l	100
5) Bromomethane	1.606	94	26693	60.876	ug/l	100
6) Chloroethane	1.685	64	22249	48.663	ug/l	94
7) Trichlorofluoromethane	1.886	101	59372	52.167	ug/l	98
8) Diethyl Ether	2.136	74	18885	51.622	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.331	101	35490	54.227	ug/l	99
10) Methyl Iodide	2.453	142	44099	50.892	ug/l	100
11) Tert butyl alcohol	2.947	59	34776	248.858	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	32057	52.294	ug/l	99
13) Acrolein	2.233	56	20578	248.833	ug/l	94
14) Allyl chloride	2.666	41	57106	51.978	ug/l	88
15) Acrylonitrile	3.056	53	91986	266.646	ug/l	98
16) Acetone	2.374	43	74530	241.120	ug/l	99
17) Carbon Disulfide	2.514	76	89991	51.107	ug/l	99
18) Methyl Acetate	2.697	43	41515	50.114	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	111866	52.872	ug/l	98
20) Methylene Chloride	2.788	84	35013	51.820	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	33701	52.076	ug/l	97
22) Diisopropyl ether	3.751	45	114791	53.545	ug/l	93
23) Vinyl Acetate	3.715	43	543969	268.435	ug/l	99
24) 1,1-Dichloroethane	3.605	63	64412	52.310	ug/l	98
25) 2-Butanone	4.544	43	121827	251.636	ug/l	96
26) 2,2-Dichloropropane	4.471	77	58118	54.096	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	39502	52.695	ug/l	99
28) Bromochloromethane	4.891	49	27452	48.745	ug/l	98
29) Tetrahydrofuran	4.989	42	86956	270.026	ug/l	100
30) Chloroform	5.087	83	71338	54.114	ug/l	97
31) Cyclohexane	5.471	56	54718	52.773	ug/l	94
32) 1,1,1-Trichloroethane	5.379	97	62756	55.384	ug/l	98
36) 1,1-Dichloropropene	5.690	75	48807	51.469	ug/l	99
37) Ethyl Acetate	4.703	43	53897	50.053	ug/l	98
38) Carbon Tetrachloride	5.672	117	55990	52.457	ug/l	98
39) Methylcyclohexane	7.373	83	57018	54.274	ug/l	99
40) Benzene	6.032	78	135219	51.640	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	30158	54.161	ug/l	97
42) 1,2-Dichloroethane	6.080	62	57170	53.955	ug/l	98
43) Isopropyl Acetate	6.330	43	90979	53.805	ug/l	98
44) Trichloroethene	7.123	130	34902	55.610	ug/l	99
45) 1,2-Dichloropropane	7.422	63	33272	54.158	ug/l	97
46) Dibromomethane	7.574	93	27386	56.284	ug/l	99
47) Bromodichloromethane	7.818	83	56874	57.205	ug/l	99
48) Methyl methacrylate	7.684	41	45184	58.465	ug/l	94
49) 1,4-Dioxane	7.647	88	13494	1034.561	ug/l #	96
51) 4-Methyl-2-Pentanone	8.568	43	275253	262.488	ug/l	96
52) Toluene	8.714	92	77714	49.764	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	50377	48.982	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	57334	53.902	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	30397	47.797	ug/l	95
56) Ethyl methacrylate	9.110	69	52095	49.007	ug/l #	94
57) 1,3-Dichloropropane	9.305	76	53341	49.152	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	154114	276.244	ug/l	97
59) 2-Hexanone	9.427	43	196585	242.003	ug/l	98
60) Dibromochloromethane	9.519	129	39391	52.710	ug/l	99
61) 1,2-Dibromoethane	9.604	107	35002	52.120	ug/l	99
64) Tetrachloroethene	9.269	164	28123	49.488	ug/l	96
65) Chlorobenzene	10.080	112	94175	54.425	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	32511	55.212	ug/l	98
67) Ethyl Benzene	10.189	91	170271	54.945	ug/l	97
68) m/p-Xylenes	10.299	106	124930	110.110	ug/l	93
69) o-Xylene	10.640	106	60262	55.288	ug/l	94
70) Styrene	10.653	104	103094	56.501	ug/l	97
71) Bromoform	10.799	173	28282	58.806	ug/l #	99
73) Isopropylbenzene	10.957	105	165378	57.423	ug/l	100
74) N-amyl acetate	10.842	43	82323	58.057	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.207	83	51990	53.324	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	45366m	55.573	ug/l	
77) Bromobenzene	11.195	156	37858	54.308	ug/l	99
78) n-propylbenzene	11.305	91	197238	55.544	ug/l	97
79) 2-Chlorotoluene	11.360	91	110008	53.689	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	133344	55.230	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	19068	59.091	ug/l #	89
82) 4-Chlorotoluene	11.451	91	136334	53.049	ug/l	100
83) tert-Butylbenzene	11.713	119	132603	54.760	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	134762	55.459	ug/l	100
85) sec-Butylbenzene	11.890	105	169632	55.087	ug/l	99
86) p-Isopropyltoluene	12.006	119	143313	56.125	ug/l	99
87) 1,3-Dichlorobenzene	11.970	146	72365	54.360	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	73182	51.764	ug/l	98
89) n-Butylbenzene	12.329	91	145680	56.577	ug/l	96
90) Hexachloroethane	12.536	117	27561	61.987	ug/l	93
91) 1,2-Dichlorobenzene	12.335	146	72064	55.100	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14187	58.278	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	52030	55.975	ug/l	97
94) Hexachlorobutadiene	13.725	225	20456	55.832	ug/l	99
95) Naphthalene	13.774	128	170573	58.003	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	50225	54.996	ug/l	99

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

