

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040768.D
 Acq On : 22 Mar 2024 01:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/25/2024
 Supervised By : Mahesh Dadoda 03/25/2024

Quant Time: Mar 22 03:06:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:41:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	44739	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	76884	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	72654	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	36885	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	39647	52.703	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.400%			
35) Dibromofluoromethane	5.385	113	27551	47.891	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.780%			
50) Toluene-d8	8.647	98	98753	50.132	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.260%			
62) 4-Bromofluorobenzene	11.079	95	39137	50.288	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28858	49.845	ug/l	97
3) Chloromethane	1.300	50	25292	42.711	ug/l	95
4) Vinyl Chloride	1.374	62	26662	47.550	ug/l	98
5) Bromomethane	1.605	94	18071	47.809	ug/l	97
6) Chloroethane	1.684	64	16395	41.598	ug/l	100
7) Trichlorofluoromethane	1.892	101	45614	46.493	ug/l	95
8) Diethyl Ether	2.136	74	15279	48.449	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	25332	44.901	ug/l	98
10) Methyl Iodide	2.453	142	34838	46.638	ug/l	100
11) Tert butyl alcohol	2.953	59	33022	274.124	ug/l #	92
12) 1,1-Dichloroethene	2.319	96	23950	45.322	ug/l	95
13) Acrolein	2.233	56	17090	239.729	ug/l	99
14) Allyl chloride	2.666	41	44023	46.483	ug/l	90
15) Acrylonitrile	3.062	53	75783	254.835	ug/l	98
16) Acetone	2.373	43	66012	247.741	ug/l	99
17) Carbon Disulfide	2.514	76	64180	42.282	ug/l	100
18) Methyl Acetate	2.703	43	34082	47.726	ug/l	100
19) Methyl tert-butyl Ether	3.111	73	89892	49.286	ug/l	99
20) Methylene Chloride	2.788	84	27305	46.880	ug/l	95
21) trans-1,2-Dichloroethene	3.093	96	25632	45.946	ug/l	95
22) Diisopropyl ether	3.757	45	91089	49.289	ug/l	97
23) Vinyl Acetate	3.721	43	433705	248.275	ug/l	100
24) 1,1-Dichloroethane	3.611	63	50922	47.973	ug/l	99
25) 2-Butanone	4.550	43	109646	262.721	ug/l	97
26) 2,2-Dichloropropane	4.477	77	38624	41.704	ug/l	100
27) cis-1,2-Dichloroethene	4.489	96	30864	47.761	ug/l	99
28) Bromochloromethane	4.891	49	25042	51.582	ug/l	98
29) Tetrahydrofuran	4.995	42	72561	261.386	ug/l	99
30) Chloroform	5.092	83	55434	48.780	ug/l	98
31) Cyclohexane	5.464	56	41371	46.286	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	49144	50.312	ug/l	98
36) 1,1-Dichloropropene	5.696	75	36759	43.397	ug/l	99
37) Ethyl Acetate	4.714	43	44462	46.225	ug/l	98
38) Carbon Tetrachloride	5.678	117	41559	43.590	ug/l	99
39) Methylcyclohexane	7.379	83	43562	46.421	ug/l	95
40) Benzene	6.037	78	106370	45.477	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	24846	49.953	ug/l	98
42) 1,2-Dichloroethane	6.086	62	46512	49.142	ug/l	97
43) Isopropyl Acetate	6.336	43	74088	49.051	ug/l	97
44) Trichloroethene	7.129	130	26604	47.454	ug/l	99
45) 1,2-Dichloropropane	7.427	63	26451	48.201	ug/l	98
46) Dibromomethane	7.580	93	21729	49.994	ug/l	100
47) Bromodichloromethane	7.818	83	42107	47.413	ug/l	96
48) Methyl methacrylate	7.689	41	35187	50.970	ug/l	93
49) 1,4-Dioxane	7.659	88	12576	1079.404	ug/l #	92
51) 4-Methyl-2-Pentanone	8.567	43	238944	255.094	ug/l	97
52) Toluene	8.714	92	65633	47.050	ug/l	94
53) t-1,3-Dichloropropene	8.976	75	44175	48.084	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	45767	48.169	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	26616	46.853	ug/l	94
56) Ethyl methacrylate	9.116	69	46757	49.242	ug/l #	92
57) 1,3-Dichloropropane	9.305	76	44010	45.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	116016	232.806	ug/l	97
59) 2-Hexanone	9.427	43	179558	247.458	ug/l	95
60) Dibromochloromethane	9.518	129	32258	48.323	ug/l	99
61) 1,2-Dibromoethane	9.610	107	28112	46.863	ug/l	100
64) Tetrachloroethene	9.275	164	22291	41.190	ug/l	96
65) Chlorobenzene	10.079	112	75573	45.862	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	25997	46.361	ug/l	100
67) Ethyl Benzene	10.189	91	135973	46.075	ug/l	97
68) m/p-Xylenes	10.299	106	100310	92.839	ug/l	93
69) o-Xylene	10.640	106	47937	46.183	ug/l	91
70) Styrene	10.652	104	83292	47.935	ug/l	96
71) Bromoform	10.799	173	20793	45.400	ug/l #	98
73) Isopropylbenzene	10.963	105	122461	43.756	ug/l	100
74) N-amyl acetate	10.841	43	64842	47.057	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.213	83	42928	45.308	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	38051m	47.966	ug/l	
77) Bromobenzene	11.195	156	30220	44.610	ug/l	100
78) n-propylbenzene	11.305	91	158700	45.989	ug/l	97
79) 2-Chlorotoluene	11.360	91	95518	47.971	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	112145	47.798	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	13618	43.427	ug/l	97
82) 4-Chlorotoluene	11.451	91	113499	45.446	ug/l	99
83) tert-Butylbenzene	11.713	119	108121	45.946	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	111023	47.016	ug/l	99
85) sec-Butylbenzene	11.890	105	138301	46.217	ug/l	99
86) p-Isopropyltoluene	12.006	119	117326	47.282	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	59465	45.966	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	60804	44.257	ug/l	99
89) n-Butylbenzene	12.329	91	100088	39.999	ug/l	96
90) Hexachloroethane	12.536	117	17993	41.643	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	52585	41.374	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	10944	46.261	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	39439	43.661	ug/l	96
94) Hexachlorobutadiene	13.725	225	14115	39.644	ug/l	97
95) Naphthalene	13.774	128	134637	47.112	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	38948	43.886	ug/l	99

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

