

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032124\
 Data File : VX040739.D
 Acq On : 21 Mar 2024 11:28
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 02:03:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 01:58:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	49582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	75377	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	71992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	35679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	36945	44.315	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 88.620%			
35) Dibromofluoromethane	5.379	113	28990	51.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	8.647	98	98656	51.085	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.160%			
62) 4-Bromofluorobenzene	11.079	95	37940	49.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.440%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	34160	53.239	ug/l	99
3) Chloromethane	1.294	50	32901	50.133	ug/l	99
4) Vinyl Chloride	1.374	62	33454	53.835	ug/l	98
5) Bromomethane	1.605	94	25539	60.966	ug/l	92
6) Chloroethane	1.685	64	22882	52.387	ug/l	99
7) Trichlorofluoromethane	1.886	101	57710	53.076	ug/l	100
8) Diethyl Ether	2.130	74	18054	51.657	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.331	101	33113	52.959	ug/l	99
10) Methyl Iodide	2.453	142	42365	51.175	ug/l	99
11) Tert butyl alcohol	2.947	59	33782	253.042	ug/l #	91
12) 1,1-Dichloroethene	2.319	96	30193	51.555	ug/l	93
13) Acrolein	2.233	56	19191	242.906	ug/l	100
14) Allyl chloride	2.666	41	54394	51.823	ug/l	90
15) Acrylonitrile	3.056	53	87066	264.178	ug/l	100
16) Acetone	2.374	43	73840	250.051	ug/l	99
17) Carbon Disulfide	2.514	76	85449	50.795	ug/l	99
18) Methyl Acetate	2.697	43	38240	48.318	ug/l	100
19) Methyl tert-butyl Ether	3.105	73	106094	52.487	ug/l	99
20) Methylene Chloride	2.788	84	33480	51.867	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	31745	51.346	ug/l	92
22) Diisopropyl ether	3.751	45	107837	52.652	ug/l	95
23) Vinyl Acetate	3.715	43	514456	265.735	ug/l	98
24) 1,1-Dichloroethane	3.605	63	61145	51.977	ug/l	99
25) 2-Butanone	4.544	43	121953	263.667	ug/l	98
26) 2,2-Dichloropropane	4.471	77	54866	53.455	ug/l	98
27) cis-1,2-Dichloroethene	4.483	96	36918	51.549	ug/l	99
28) Bromochloromethane	4.891	49	25362	47.138	ug/l	100
29) Tetrahydrofuran	4.989	42	78846	256.283	ug/l	100
30) Chloroform	5.093	83	65662	52.136	ug/l	97
31) Cyclohexane	5.464	56	52501	53.001	ug/l	95
32) 1,1,1-Trichloroethane	5.373	97	59344	54.820	ug/l	98
36) 1,1-Dichloropropene	5.690	75	43621	52.527	ug/l	99
37) Ethyl Acetate	4.702	43	51544	54.659	ug/l	98
38) Carbon Tetrachloride	5.672	117	49658	53.126	ug/l	96
39) Methylcyclohexane	7.379	83	51554	56.035	ug/l	94
40) Benzene	6.031	78	116136	50.645	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	27723	57.343	ug/l	96
42) 1,2-Dichloroethane	6.080	62	47589	51.285	ug/l	97
43) Isopropyl Acetate	6.330	43	80226	54.177	ug/l	98
44) Trichloroethene	7.123	130	29845	54.299	ug/l	99
45) 1,2-Dichloropropane	7.428	63	29769	55.331	ug/l	98
46) Dibromomethane	7.574	93	23939	56.180	ug/l	97
47) Bromodichloromethane	7.818	83	48837	56.091	ug/l	100
48) Methyl methacrylate	7.684	41	37754	55.782	ug/l	91
49) 1,4-Dioxane	7.653	88	12022	1052.483	ug/l #	97
51) 4-Methyl-2-Pentanone	8.568	43	253916	276.497	ug/l	97
52) Toluene	8.714	92	76978	56.286	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	49661	55.137	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	52392	56.244	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	30272	54.354	ug/l	93
56) Ethyl methacrylate	9.110	69	53728	57.715	ug/l #	93
57) 1,3-Dichloropropane	9.305	76	52282	55.011	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	120442	246.520	ug/l	97
59) 2-Hexanone	9.427	43	192085	270.014	ug/l	96
60) Dibromochloromethane	9.519	129	36054	55.090	ug/l	98
61) 1,2-Dibromoethane	9.604	107	32185	54.725	ug/l	100
64) Tetrachloroethene	9.269	164	27552	51.380	ug/l	97
65) Chlorobenzene	10.073	112	88664	54.301	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	30833	55.491	ug/l	99
67) Ethyl Benzene	10.189	91	159941	54.695	ug/l	97
68) m/p-Xylenes	10.299	106	117285	109.548	ug/l	92
69) o-Xylene	10.640	106	56794	55.219	ug/l	95
70) Styrene	10.653	104	96124	55.828	ug/l	96
71) Bromoform	10.799	173	23899	52.661	ug/l #	99
73) Isopropylbenzene	10.957	105	141355	52.214	ug/l	99
74) N-amyl acetate	10.842	43	72637	54.495	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.207	83	46975	51.256	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	41379m	53.738	ug/l	
77) Bromobenzene	11.195	156	34118	52.066	ug/l	98
78) n-propylbenzene	11.305	91	174116	52.162	ug/l	99
79) 2-Chlorotoluene	11.360	91	100467	52.162	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	122457	53.957	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	16246	53.559	ug/l #	94
82) 4-Chlorotoluene	11.451	91	123699	51.204	ug/l	100
83) tert-Butylbenzene	11.713	119	122608	53.864	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	120658	52.824	ug/l	98
85) sec-Butylbenzene	11.890	105	155682	53.784	ug/l	99
86) p-Isopropyltoluene	12.006	119	128218	53.418	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	66999	53.541	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	66749	50.227	ug/l	98
89) n-Butylbenzene	12.329	91	127894	52.839	ug/l	96
90) Hexachloroethane	12.536	117	23860	57.088	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	63345	51.524	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	11923	52.103	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	46983	53.771	ug/l	96
94) Hexachlorobutadiene	13.725	225	18345	53.266	ug/l	97
95) Naphthalene	13.774	128	147964	53.526	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	43579	50.764	ug/l	98

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

