

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021724\
 Data File : VX040291.D
 Acq On : 17 Feb 2024 10:55
 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 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 19 03:49:45 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	78708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	129594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	55047	47.011	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.020%		
35) Dibromofluoromethane	5.379	113	44089	48.716	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.440%		
50) Toluene-d8	8.647	98	163571	48.317	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.640%		
62) 4-Bromofluorobenzene	11.079	95	67524	48.906	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.820%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	46945	52.802	ug/l	96
3) Chloromethane	1.294	50	43299	47.228	ug/l	99
4) Vinyl Chloride	1.374	62	47957	49.498	ug/l	99
5) Bromomethane	1.599	94	33651	61.549	ug/l	99
6) Chloroethane	1.684	64	29768	48.717	ug/l	98
7) Trichlorofluoromethane	1.886	101	78918	50.721	ug/l	100
8) Diethyl Ether	2.130	74	29379	50.265	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.325	101	44980	53.894	ug/l	98
10) Methyl Iodide	2.453	142	55100	59.466	ug/l	92
11) Tert butyl alcohol	2.953	59	52514	230.242	ug/l #	91
12) 1,1-Dichloroethene	2.318	96	41981	52.243	ug/l	84
13) Acrolein	2.233	56	51009	242.298	ug/l	99
14) Allyl chloride	2.660	41	71154	51.024	ug/l	96
15) Acrylonitrile	3.056	53	130894	256.490	ug/l	98
16) Acetone	2.373	43	132938	276.427	ug/l	93
17) Carbon Disulfide	2.507	76	99596	46.946	ug/l	99
18) Methyl Acetate	2.696	43	57637	44.707	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	151652	53.568	ug/l	98
20) Methylene Chloride	2.788	84	48712	54.163	ug/l	94
21) trans-1,2-Dichloroethene	3.087	96	45080	49.257	ug/l	93
22) Diisopropyl ether	3.757	45	155830	55.099	ug/l	89
23) Vinyl Acetate	3.715	43	702204	278.519	ug/l	98
24) 1,1-Dichloroethane	3.605	63	87581	53.162	ug/l	100
25) 2-Butanone	4.550	43	190588	253.530	ug/l	97
26) 2,2-Dichloropropane	4.471	77	70783	55.814	ug/l	98
27) cis-1,2-Dichloroethene	4.489	96	55438	53.099	ug/l	94
28) Bromochloromethane	4.897	49	39416	56.353	ug/l	92
29) Tetrahydrofuran	4.995	42	121179	247.429	ug/l	96
30) Chloroform	5.092	83	95269	53.487	ug/l	95
31) Cyclohexane	5.464	56	69916	50.059	ug/l	96
32) 1,1,1-Trichloroethane	5.379	97	80262	53.564	ug/l	99
36) 1,1-Dichloropropene	5.690	75	65667	51.797	ug/l	97
37) Ethyl Acetate	4.708	43	73357	52.002	ug/l	98
38) Carbon Tetrachloride	5.672	117	65944	54.707	ug/l	93
39) Methylcyclohexane	7.379	83	76561	51.965	ug/l	96
40) Benzene	6.031	78	192087	54.181	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	40428	54.061	ug/l	93
42) 1,2-Dichloroethane	6.080	62	76096	54.914	ug/l	100
43) Isopropyl Acetate	6.336	43	118519	53.821	ug/l	98
44) Trichloroethene	7.123	130	52053	53.228	ug/l	98
45) 1,2-Dichloropropane	7.427	63	52862	57.286	ug/l	98
46) Dibromomethane	7.580	93	39012	57.404	ug/l	96
47) Bromodichloromethane	7.818	83	73303	55.978	ug/l	95
48) Methyl methacrylate	7.689	41	59718	52.999	ug/l	91
49) 1,4-Dioxane	7.653	88	22279	908.884	ug/l #	92
51) 4-Methyl-2-Pentanone	8.567	43	401651	267.151	ug/l	99
52) Toluene	8.714	92	126471	54.462	ug/l	95
53) t-1,3-Dichloropropene	8.976	75	83101	53.249	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	85704	58.398	ug/l	94
55) 1,1,2-Trichloroethane	9.147	97	55691	56.228	ug/l	98
56) Ethyl methacrylate	9.116	69	83739	56.476	ug/l	96
57) 1,3-Dichloropropane	9.305	76	89509	55.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	185128	263.931	ug/l	98
59) 2-Hexanone	9.427	43	322510	270.558	ug/l	98
60) Dibromochloromethane	9.518	129	58484	57.957	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59676	56.684	ug/l	98
64) Tetrachloroethene	9.268	164	45041	49.929	ug/l	96
65) Chlorobenzene	10.079	112	141791	52.776	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	52212	56.112	ug/l	98
67) Ethyl Benzene	10.189	91	260841	54.513	ug/l	100
68) m/p-Xylenes	10.299	106	195614	108.245	ug/l	97
69) o-Xylene	10.640	106	97517	55.530	ug/l	98
70) Styrene	10.652	104	165087	56.543	ug/l	99
71) Bromoform	10.799	173	44734	51.149	ug/l #	99
73) Isopropylbenzene	10.963	105	266802	54.315	ug/l	99
74) N-amyl acetate	10.841	43	117570	55.838	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	93703	53.096	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78078m	55.284	ug/l	
77) Bromobenzene	11.195	156	63542	54.769	ug/l	96
78) n-propylbenzene	11.305	91	327163	55.013	ug/l	99
79) 2-Chlorotoluene	11.360	91	191771	53.401	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	230274	55.683	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	25156	50.017	ug/l	95
82) 4-Chlorotoluene	11.451	91	228700	53.750	ug/l	99
83) tert-Butylbenzene	11.713	119	221616	54.661	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	230275	55.039	ug/l	100
85) sec-Butylbenzene	11.890	105	294716	56.562	ug/l	100
86) p-Isopropyltoluene	12.006	119	239925	56.173	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	127281	55.369	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	130138	53.462	ug/l	98
89) n-Butylbenzene	12.329	91	231524	56.155	ug/l	98
90) Hexachloroethane	12.536	117	39211	58.201	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	123204	55.364	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	21826	53.585	ug/l	90
93) 1,2,4-Trichlorobenzene	13.585	180	85267	55.967	ug/l	95
94) Hexachlorobutadiene	13.725	225	34134	56.137	ug/l	100
95) Naphthalene	13.774	128	264224	54.911	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	81374	56.034	ug/l	99

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

