

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040342.D
 Acq On : 19 Feb 2024 19:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/20/2024
 Supervised By : Mahesh Dadoda 02/20/2024

Quant Time: Feb 20 01:21:38 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	5.556	168	82564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	145948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	71342	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	67991	55.353	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.700%			
35) Dibromofluoromethane	5.391	113	51264	50.297	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.600%			
50) Toluene-d8	8.647	98	183429	48.111	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.220%			
62) 4-Bromofluorobenzene	11.079	95	74156	47.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	52801	56.615	ug/l	96
3) Chloromethane	1.294	50	50360	52.364	ug/l	99
4) Vinyl Chloride	1.374	62	52113	51.276	ug/l	98
5) Bromomethane	1.599	94	31962	55.729	ug/l	97
6) Chloroethane	1.685	64	31373	48.946	ug/l	97
7) Trichlorofluoromethane	1.886	101	81264	49.790	ug/l	100
8) Diethyl Ether	2.130	74	31583	51.512	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.325	101	48224	55.082	ug/l	98
10) Methyl Iodide	2.453	142	53542	55.086	ug/l	95
11) Tert butyl alcohol	2.959	59	59683	249.453	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	44472	52.758	ug/l	95
13) Acrolein	2.233	56	39989	181.081	ug/l	99
14) Allyl chloride	2.660	41	85506	58.452	ug/l	99
15) Acrylonitrile	3.062	53	163196	304.851	ug/l	100
16) Acetone	2.380	43	163638	324.372	ug/l	95
17) Carbon Disulfide	2.508	76	99018	44.494	ug/l	98
18) Methyl Acetate	2.703	43	75210	55.614	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	170600	57.447	ug/l	100
20) Methylene Chloride	2.788	84	58535	62.285	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	47831	49.822	ug/l	96
22) Diisopropyl ether	3.757	45	179880	60.632	ug/l	98
23) Vinyl Acetate	3.721	43	799625	302.347	ug/l	100
24) 1,1-Dichloroethane	3.611	63	99504	57.579	ug/l	100
25) 2-Butanone	4.556	43	241450	306.189	ug/l	99
26) 2,2-Dichloropropane	4.477	77	69194	52.013	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	59726	54.535	ug/l	96
28) Bromochloromethane	4.897	49	44432	60.558	ug/l	99
29) Tetrahydrofuran	5.001	42	151871	295.615	ug/l	99
30) Chloroform	5.092	83	104560	55.961	ug/l	99
31) Cyclohexane	5.470	56	75934	51.829	ug/l	97
32) 1,1,1-Trichloroethane	5.379	97	86716	55.168	ug/l	99
36) 1,1-Dichloropropene	5.690	75	72388	50.700	ug/l	100
37) Ethyl Acetate	4.715	43	88635	55.792	ug/l	99
38) Carbon Tetrachloride	5.678	117	67881	50.004	ug/l	99
39) Methylcyclohexane	7.379	83	78730	47.449	ug/l	99
40) Benzene	6.037	78	207269	51.913	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	50462	59.918	ug/l	95
42) 1,2-Dichloroethane	6.080	62	84139	53.914	ug/l	99
43) Isopropyl Acetate	6.336	43	140550	56.674	ug/l	99
44) Trichloroethene	7.129	130	54045	49.072	ug/l	94
45) 1,2-Dichloropropane	7.427	63	58079	55.887	ug/l	98
46) Dibromomethane	7.580	93	40588	53.030	ug/l	99
47) Bromodichloromethane	7.818	83	79740	54.071	ug/l	98
48) Methyl methacrylate	7.690	41	70357	55.444	ug/l	94
49) 1,4-Dioxane	7.659	88	26837	972.150	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	479299	283.075	ug/l	99
52) Toluene	8.720	92	131776	50.388	ug/l	96
53) t-1,3-Dichloropropene	8.976	75	82160	46.898	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	87892	53.178	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	57437	51.493	ug/l	94
56) Ethyl methacrylate	9.116	69	90205	54.019	ug/l	98
57) 1,3-Dichloropropane	9.311	76	96786	53.160	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	209562	265.288	ug/l	95
59) 2-Hexanone	9.427	43	382729	285.099	ug/l	99
60) Dibromochloromethane	9.519	129	57620	50.703	ug/l	98
61) 1,2-Dibromoethane	9.610	107	60363	50.912	ug/l	99
64) Tetrachloroethene	9.275	164	49778	51.837	ug/l	98
65) Chlorobenzene	10.079	112	141989	49.648	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	49936	50.414	ug/l	97
67) Ethyl Benzene	10.195	91	266726	52.366	ug/l	97
68) m/p-Xylenes	10.299	106	196398	102.094	ug/l	97
69) o-Xylene	10.640	106	96518	51.631	ug/l	96
70) Styrene	10.652	104	164690	52.989	ug/l	99
71) Bromoform	10.799	173	40609	43.876	ug/l #	97
73) Isopropylbenzene	10.963	105	259184	51.581	ug/l	100
74) N-amyl acetate	10.841	43	128456	59.640	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	96499	53.454	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	79591m	55.092	ug/l	
77) Bromobenzene	11.195	156	61450	51.778	ug/l	98
78) n-propylbenzene	11.305	91	318461	52.348	ug/l	98
79) 2-Chlorotoluene	11.366	91	184696	50.278	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	222362	52.564	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	23454	45.902	ug/l	99
82) 4-Chlorotoluene	11.451	91	221795	50.958	ug/l	99
83) tert-Butylbenzene	11.713	119	207021	49.916	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	222669	52.028	ug/l	99
85) sec-Butylbenzene	11.890	105	280321	52.592	ug/l	98
86) p-Isopropyltoluene	12.006	119	227102	51.978	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	118486	50.387	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	120188	48.268	ug/l	99
89) n-Butylbenzene	12.329	91	219748	52.103	ug/l	96
90) Hexachloroethane	12.536	117	35409	51.379	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	116952	51.376	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	22656	54.375	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	76084	48.820	ug/l	98
94) Hexachlorobutadiene	13.725	225	28157	45.269	ug/l	99
95) Naphthalene	13.774	128	261066	53.038	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	75261	50.663	ug/l	98

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

