

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030124\
 Data File : VX040558.D
 Acq On : 01 Mar 2024 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/04/2024
 Supervised By : Mahesh Dadoda 03/04/2024

Quant Time: Mar 01 23:22:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022624W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 27 05:01:33 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	76171	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	130520	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	111112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62805	49.297	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.600%		
35) Dibromofluoromethane	5.385	113	43403	47.820	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.640%		
50) Toluene-d8	8.646	98	152415	46.262	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.520%		
62) 4-Bromofluorobenzene	11.079	95	54749	43.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	87.180%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	46211	48.749	ug/l	97
3) Chloromethane	1.294	50	46782	49.756	ug/l	99
4) Vinyl Chloride	1.373	62	51816	50.962	ug/l	99
5) Bromomethane	1.599	94	31282	55.363	ug/l	98
6) Chloroethane	1.678	64	28522	44.326	ug/l	98
7) Trichlorofluoromethane	1.886	101	77047	47.979	ug/l	99
8) Diethyl Ether	2.135	74	26472	47.161	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	44976	52.032	ug/l	99
10) Methyl Iodide	2.452	142	48612	53.779	ug/l	99
11) Tert butyl alcohol	2.965	59	64686	302.035	ug/l #	92
12) 1,1-Dichloroethene	2.318	96	41290	47.578	ug/l	99
13) Acrolein	2.233	56	39690	289.059	ug/l	97
14) Allyl chloride	2.666	41	77384	50.968	ug/l	89
15) Acrylonitrile	3.062	53	144267	268.545	ug/l	98
16) Acetone	2.379	43	134443	323.589	ug/l	98
17) Carbon Disulfide	2.513	76	101890	42.397	ug/l	100
18) Methyl Acetate	2.702	43	77097	60.190	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	161383	54.519	ug/l	99
20) Methylene Chloride	2.788	84	50640	50.933	ug/l	99
21) trans-1,2-Dichloroethene	3.093	96	45208	48.846	ug/l	97
22) Diisopropyl ether	3.763	45	159413	52.249	ug/l	91
23) Vinyl Acetate	3.721	43	751374	268.842	ug/l	99
24) 1,1-Dichloroethane	3.611	63	91839	51.618	ug/l	98
25) 2-Butanone	4.556	43	211452	292.109	ug/l	97
26) 2,2-Dichloropropane	4.477	77	67708	47.797	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	55123	50.910	ug/l	99
28) Bromochloromethane	4.891	49	38978	52.372	ug/l	97
29) Tetrahydrofuran	5.007	42	137395	272.074	ug/l	99
30) Chloroform	5.092	83	101042	53.503	ug/l	96
31) Cyclohexane	5.470	56	70802	49.053	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	89509	55.531	ug/l	97
36) 1,1-Dichloropropene	5.696	75	69906	49.991	ug/l	98
37) Ethyl Acetate	4.714	43	80612	52.674	ug/l	99
38) Carbon Tetrachloride	5.678	117	73738	54.584	ug/l	96
39) Methylcyclohexane	7.378	83	71750	47.524	ug/l	97
40) Benzene	6.037	78	189833	50.141	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	46047	53.866	ug/l	96
42) 1,2-Dichloroethane	6.086	62	89149	56.892	ug/l	99
43) Isopropyl Acetate	6.336	43	131241	54.653	ug/l	98
44) Trichloroethene	7.122	130	51996	51.067	ug/l	95
45) 1,2-Dichloropropane	7.427	63	51754	51.078	ug/l	96
46) Dibromomethane	7.580	93	39718	53.317	ug/l	98
47) Bromodichloromethane	7.823	83	80911	55.164	ug/l	99
48) Methyl methacrylate	7.689	41	69444	57.858	ug/l	95
49) 1,4-Dioxane	7.653	88	27037	1190.801	ug/l #	94
51) 4-Methyl-2-Pentanone	8.573	43	455501	286.896	ug/l	98
52) Toluene	8.720	92	121658	52.360	ug/l	93
53) t-1,3-Dichloropropene	8.976	75	81767	54.932	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	82756	51.723	ug/l	99
55) 1,1,2-Trichloroethane	9.152	97	53594	55.581	ug/l	92
56) Ethyl methacrylate	9.116	69	84595	56.742	ug/l #	93
57) 1,3-Dichloropropane	9.305	76	90650	53.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	194413	248.706	ug/l	97
59) 2-Hexanone	9.427	43	360294	295.159	ug/l	96
60) Dibromochloromethane	9.518	129	58037	55.414	ug/l	98
61) 1,2-Dibromoethane	9.610	107	58027	55.149	ug/l	100
64) Tetrachloroethene	9.274	164	45922	58.869	ug/l	98
65) Chlorobenzene	10.079	112	120552	51.008	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.158	131	46174	55.438	ug/l	100
67) Ethyl Benzene	10.195	91	226608	52.380	ug/l	97
68) m/p-Xylenes	10.299	106	169421	104.871	ug/l	95
69) o-Xylene	10.640	106	82368	53.309	ug/l	91
70) Styrene	10.652	104	139017	53.971	ug/l	96
71) Bromoform	10.799	173	38737	56.817	ug/l #	99
73) Isopropylbenzene	10.963	105	221304	51.466	ug/l	100
74) N-amyl acetate	10.841	43	108234	54.195	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	80233	51.594	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	68102m	52.997	ug/l	
77) Bromobenzene	11.195	156	53279	52.401	ug/l	97
78) n-propylbenzene	11.305	91	268836	50.403	ug/l	98
79) 2-Chlorotoluene	11.366	91	159372	49.636	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	191583	52.388	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.018	75	19960	47.119	ug/l	94
82) 4-Chlorotoluene	11.451	91	190401	51.280	ug/l	99
83) tert-Butylbenzene	11.713	119	183388	53.191	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	190388	52.472	ug/l	99
85) sec-Butylbenzene	11.890	105	239368	52.848	ug/l	99
86) p-Isopropyltoluene	12.006	119	195203	52.285	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	101832	50.246	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	103817	50.321	ug/l	99
89) n-Butylbenzene	12.329	91	185503	50.503	ug/l	97
90) Hexachloroethane	12.536	117	33599	54.072	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	99868	51.710	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20829	57.453	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	67668	53.687	ug/l	95
94) Hexachlorobutadiene	13.725	225	26176	50.815	ug/l	97
95) Naphthalene	13.774	128	221276	54.937	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	65839	54.952	ug/l	98

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

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