

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042924\
 Data File : VX041285.D
 Acq On : 29 Apr 2024 19:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/30/2024
 Supervised By : Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 02:15:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042224W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:30:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	169020	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	239394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	123319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	89199	55.440	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.880%			
35) Dibromofluoromethane	5.385	113	76130	52.280	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.560%			
50) Toluene-d8	8.647	98	250152	50.916	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.840%			
62) 4-Bromofluorobenzene	11.079	95	98707	54.432	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.860%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	60467	45.231	ug/l	98
3) Chloromethane	1.300	50	61193	42.279	ug/l	98
4) Vinyl Chloride	1.374	62	65391	45.179	ug/l	99
5) Bromomethane	1.599	94	43660	53.574	ug/l	98
6) Chloroethane	1.666	64	34224	62.240	ug/l	95
7) Trichlorofluoromethane	1.861	101	127404	56.808	ug/l	99
8) Diethyl Ether	2.136	74	48248	58.459	ug/l	86
9) 1,1,2-Trichlorotrifluo...	2.312	101	68902	52.218	ug/l	# 87
10) Methyl Iodide	2.440	142	69082	43.415	ug/l	91
11) Tert butyl alcohol	3.026	59	104663	363.108	ug/l	# 93
12) 1,1-Dichloroethene	2.306	96	66421	53.923	ug/l	87
13) Acrolein	2.245	56	64688	200.057	ug/l	99
14) Allyl chloride	2.660	41	110283	55.113	ug/l	96
15) Acrylonitrile	3.075	53	214097	290.676	ug/l	99
16) Acetone	2.398	43	183472	313.279	ug/l	96
17) Carbon Disulfide	2.501	76	125575	48.802	ug/l	100
18) Methyl Acetate	2.709	43	104704	60.437	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	249107	56.571	ug/l	99
20) Methylene Chloride	2.788	84	75278	52.630	ug/l	91
21) trans-1,2-Dichloroethene	3.087	96	67224	49.385	ug/l	89
22) Diisopropyl ether	3.769	45	238006	55.012	ug/l	86
23) Vinyl Acetate	3.727	43	1103449	298.131	ug/l	95
24) 1,1-Dichloroethane	3.605	63	130476	53.950	ug/l	97
25) 2-Butanone	4.574	43	308096	308.043	ug/l	95
26) 2,2-Dichloropropane	4.471	77	100970	49.399	ug/l	96
27) cis-1,2-Dichloroethene	4.483	96	86844	51.472	ug/l	91
28) Bromochloromethane	4.897	49	47231	51.463	ug/l	# 74
29) Tetrahydrofuran	5.013	42	206766	303.454	ug/l	95
30) Chloroform	5.092	83	142959	55.073	ug/l	97
31) Cyclohexane	5.464	56	100414	46.372	ug/l	93
32) 1,1,1-Trichloroethane	5.379	97	128717	55.314	ug/l	97
36) 1,1-Dichloropropene	5.690	75	88662	47.585	ug/l	96
37) Ethyl Acetate	4.727	43	124727	61.014	ug/l	100
38) Carbon Tetrachloride	5.672	117	110229	52.967	ug/l	99
39) Methylcyclohexane	7.379	83	107641	43.555	ug/l	92
40) Benzene	6.037	78	282403	49.076	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	65393	61.446	ug/l	94
42) 1,2-Dichloroethane	6.086	62	110366	55.315	ug/l	97
43) Isopropyl Acetate	6.348	43	191616	58.188	ug/l	97
44) Trichloroethene	7.123	130	81186	48.527	ug/l	87
45) 1,2-Dichloropropane	7.427	63	70239	50.908	ug/l	100
46) Dibromomethane	7.580	93	55559	54.003	ug/l #	77
47) Bromodichloromethane	7.824	83	106643	56.235	ug/l	98
48) Methyl methacrylate	7.696	41	93696	60.155	ug/l	94
49) 1,4-Dioxane	7.671	88	34767	1037.053	ug/l #	91
51) 4-Methyl-2-Pentanone	8.580	43	644104	312.486	ug/l	99
52) Toluene	8.720	92	188616	52.019	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	105813	56.884	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	113151	53.509	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	78272	55.322	ug/l	96
56) Ethyl methacrylate	9.116	69	126743	58.597	ug/l	97
57) 1,3-Dichloropropane	9.311	76	126395	53.967	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	277349	263.461	ug/l	92
59) 2-Hexanone	9.433	43	509496	322.338	ug/l	98
60) Dibromochloromethane	9.518	129	93439	57.210	ug/l	100
61) 1,2-Dibromoethane	9.610	107	83208	54.815	ug/l	99
64) Tetrachloroethene	9.275	164	77534	46.133	ug/l	89
65) Chlorobenzene	10.079	112	221636	49.144	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	82675	53.519	ug/l	98
67) Ethyl Benzene	10.195	91	358752	49.846	ug/l	98
68) m/p-Xylenes	10.299	106	288480	99.290	ug/l	92
69) o-Xylene	10.640	106	143546	50.799	ug/l	93
70) Styrene	10.652	104	244966	53.286	ug/l	95
71) Bromoform	10.799	173	78676	59.571	ug/l #	99
73) Isopropylbenzene	10.963	105	373779	48.714	ug/l	96
74) N-amyl acetate	10.841	43	176728	58.605	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	128327	53.033	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	104011m	52.349	ug/l	
77) Bromobenzene	11.195	156	108351	48.525	ug/l	77
78) n-propylbenzene	11.305	91	407075	49.134	ug/l	96
79) 2-Chlorotoluene	11.366	91	251220	47.917	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	310667	48.668	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	37711	53.548	ug/l	95
82) 4-Chlorotoluene	11.451	91	287895	48.456	ug/l	92
83) tert-Butylbenzene	11.713	119	339362	49.645	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	314193	49.591	ug/l	94
85) sec-Butylbenzene	11.890	105	394626	49.992	ug/l	95
86) p-Isopropyltoluene	12.012	119	347062	49.891	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	194647	48.529	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	196776	47.816	ug/l	95
89) n-Butylbenzene	12.329	91	273828	51.844	ug/l	97
90) Hexachloroethane	12.536	117	59171	51.566	ug/l	60
91) 1,2-Dichlorobenzene	12.335	146	201061	50.048	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	31059	61.173	ug/l #	56
93) 1,2,4-Trichlorobenzene	13.585	180	146504	52.597	ug/l	95
94) Hexachlorobutadiene	13.725	225	67659	47.544	ug/l	99
95) Naphthalene	13.774	128	461102	57.616	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	152792	52.078	ug/l	95

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

