

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061623\
 Data File : VX036180.D
 Acq On : 16 Jun 2023 13:14
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2023
 Supervised By : Mahesh Dadoda 06/19/2023

Quant Time: Jun 16 14:54:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 14:52:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	177053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	308833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	275279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64755	20.014	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	40.020%#		
35) Dibromofluoromethane	5.391	113	42316	20.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	40.420%#		
50) Toluene-d8	8.647	98	152895	19.959	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	39.920%#		
62) 4-Bromofluorobenzene	11.079	95	59262	19.165	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	38.320%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	49222	22.649	ug/l	98
3) Chloromethane	1.294	50	45874	19.951	ug/l	98
4) Vinyl Chloride	1.374	62	45200	20.635	ug/l	99
5) Bromomethane	1.617	94	25067	18.616	ug/l	99
6) Chloroethane	1.691	64	28329	19.988	ug/l	100
7) Trichlorofluoromethane	1.892	101	77689	21.916	ug/l	99
8) Diethyl Ether	2.136	74	26172	19.836	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	44553	22.039	ug/l	96
10) Methyl Iodide	2.453	142	42523	20.400	ug/l	100
11) Tert butyl alcohol	2.983	59	43950	88.822	ug/l #	88
12) 1,1-Dichloroethene	2.319	96	39297	20.557	ug/l	96
13) Acrolein	2.239	56	50349	91.658	ug/l	99
14) Allyl chloride	2.666	41	76888	19.878	ug/l	96
15) Acrylonitrile	3.068	53	125504	99.184	ug/l	99
16) Acetone	2.386	43	125573	98.835	ug/l	98
17) Carbon Disulfide	2.514	76	94556	20.011	ug/l	98
18) Methyl Acetate	2.703	43	100808	19.773	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	145381	19.427	ug/l	98
20) Methylene Chloride	2.794	84	46671	19.163	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	43707	20.578	ug/l	96
22) Diisopropyl ether	3.763	45	156727	20.362	ug/l	87
23) Vinyl Acetate	3.721	43	551571	101.108	ug/l	99
24) 1,1-Dichloroethane	3.611	63	86560	20.354	ug/l	99
25) 2-Butanone	4.556	43	182192	96.823	ug/l	98
26) 2,2-Dichloropropane	4.477	77	65763	19.886	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	49739	20.479	ug/l	98
28) Bromochloromethane	4.897	49	45713	20.620	ug/l	95
29) Tetrahydrofuran	5.007	42	117574	98.377	ug/l	97
30) Chloroform	5.099	83	90759	20.264	ug/l	98
31) Cyclohexane	5.476	56	73951	21.305	ug/l	100
32) 1,1,1-Trichloroethane	5.385	97	77869	20.507	ug/l	97
36) 1,1-Dichloropropene	5.696	75	64738	20.985	ug/l	99
37) Ethyl Acetate	4.714	43	70544	19.627	ug/l	100
38) Carbon Tetrachloride	5.678	117	64683	21.569	ug/l	96
39) Methylcyclohexane	7.379	83	73906	22.244	ug/l	97
40) Benzene	6.037	78	179690	20.713	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	39945	20.158	ug/l	98
42) 1,2-Dichloroethane	6.086	62	81583	20.875	ug/l	99
43) Isopropyl Acetate	6.342	43	109924	19.984	ug/l	99
44) Trichloroethene	7.129	130	44735	20.636	ug/l	92
45) 1,2-Dichloropropane	7.427	63	47488	20.590	ug/l	98
46) Dibromomethane	7.580	93	33423	20.342	ug/l	97
47) Bromodichloromethane	7.824	83	64341	20.398	ug/l	99
48) Methyl methacrylate	7.690	41	57093	20.231	ug/l	96
49) 1,4-Dioxane	7.683	88	19174	405.806	ug/l #	98
51) 4-Methyl-2-Pentanone	8.573	43	363038	104.527	ug/l	96
52) Toluene	8.720	92	111497	20.528	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	63059	18.521	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	70991	19.247	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	44858	20.006	ug/l	95
56) Ethyl methacrylate	9.116	69	67141	18.918	ug/l	90
57) 1,3-Dichloropropane	9.305	76	79160	19.845	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	179477	96.135	ug/l	98
59) 2-Hexanone	9.433	43	270121	104.613	ug/l	95
60) Dibromochloromethane	9.518	129	42638	19.482	ug/l	99
61) 1,2-Dibromoethane	9.610	107	46773	20.006	ug/l	100
64) Tetrachloroethene	9.275	164	36096	21.075	ug/l	96
65) Chlorobenzene	10.079	112	115784	20.298	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	41075	20.866	ug/l	98
67) Ethyl Benzene	10.195	91	213869	20.993	ug/l	97
68) m/p-Xylenes	10.299	106	164035	42.678	ug/l	96
69) o-Xylene	10.640	106	78809	20.782	ug/l	96
70) Styrene	10.652	104	131131	20.753	ug/l	97
71) Bromoform	10.799	173	25870	18.595	ug/l #	99
73) Isopropylbenzene	10.963	105	209830	20.898	ug/l	100
74) N-amyl acetate	10.841	43	94378	20.801	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	69575	20.237	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	67960m	20.211	ug/l	
77) Bromobenzene	11.195	156	45666	19.412	ug/l	90
78) n-propylbenzene	11.305	91	252429	21.371	ug/l	99
79) 2-Chlorotoluene	11.366	91	156156	21.019	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	183315	21.441	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	16174	19.333	ug/l #	81
82) 4-Chlorotoluene	11.451	91	180593	20.863	ug/l	98
83) tert-Butylbenzene	11.713	119	172185	21.184	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	182927	21.450	ug/l	99
85) sec-Butylbenzene	11.890	105	222592	21.994	ug/l	100
86) p-Isopropyltoluene	12.006	119	186715	21.928	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	91907	20.486	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	92754	20.493	ug/l	97
89) n-Butylbenzene	12.329	91	166627	21.927	ug/l	97
90) Hexachloroethane	12.536	117	27338	19.211	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	89293	20.280	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16296	21.490	ug/l	92
93) 1,2,4-Trichlorobenzene	13.585	180	53225	21.325	ug/l	98
94) Hexachlorobutadiene	13.725	225	21400	21.689	ug/l	98
95) Naphthalene	13.774	128	184202	21.396	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	53258	21.279	ug/l	99

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

