

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071023\
 Data File : VX036479.D
 Acq On : 10 Jul 2023 13:46
 Operator : JC/MD
 Sample : VX0710WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2023
 Supervised By : Mahesh Dadoda 07/11/2023

Quant Time: Jul 11 01:27:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	168893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	293465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	264601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	127309	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	134543	55.574	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.140%			
35) Dibromofluoromethane	5.385	113	106341	54.956	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.920%			
50) Toluene-d8	8.647	98	367556	50.857	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.720%			
62) 4-Bromofluorobenzene	11.079	95	137019	53.824	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.640%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28862	18.050	ug/l	97
3) Chloromethane	1.294	50	40212	14.497	ug/l	99
4) Vinyl Chloride	1.374	62	58166	19.181	ug/l	96
5) Bromomethane	1.611	94	42628	19.211	ug/l	99
6) Chloroethane	1.685	64	32333	14.524	ug/l	91
7) Trichlorofluoromethane	1.886	101	79221	17.183	ug/l	100
8) Diethyl Ether	2.136	74	33468	18.805	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	37878	19.576	ug/l	97
10) Methyl Iodide	2.453	142	40210	17.151	ug/l	92
11) Tert butyl alcohol	2.965	59	54989	124.781	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	35991	18.751	ug/l	93
13) Acrolein	2.239	56	29036	47.976	ug/l	98
14) Allyl chloride	2.666	41	64009	20.520	ug/l	97
15) Acrylonitrile	3.062	53	120415	107.801	ug/l	99
16) Acetone	2.380	43	106292	102.719	ug/l	96
17) Carbon Disulfide	2.514	76	80092	16.990	ug/l	99
18) Methyl Acetate	2.703	43	95462	22.434	ug/l	97
19) Methyl tert-butyl Ether	3.111	73	140176	22.598	ug/l	99
20) Methylene Chloride	2.788	84	46034	20.661	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	38908	18.996	ug/l	91
22) Diisopropyl ether	3.764	45	136818	21.889	ug/l #	83
23) Vinyl Acetate	3.721	43	517411	114.069	ug/l	98
24) 1,1-Dichloroethane	3.611	63	75908	20.607	ug/l	98
25) 2-Butanone	4.556	43	161998	108.959	ug/l	95
26) 2,2-Dichloropropane	4.477	77	60516	23.164	ug/l	96
27) cis-1,2-Dichloroethene	4.489	96	47911	20.858	ug/l	92
28) Bromochloromethane	4.904	49	44120	23.094	ug/l	91
29) Tetrahydrofuran	5.001	42	105714	111.680	ug/l	94
30) Chloroform	5.093	83	80325	21.650	ug/l	89
31) Cyclohexane	5.471	56	59430	19.156	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	64659	20.864	ug/l	98
36) 1,1-Dichloropropene	5.696	75	53985	18.716	ug/l	98
37) Ethyl Acetate	4.715	43	64653	21.992	ug/l	98
38) Carbon Tetrachloride	5.678	117	54620	20.733	ug/l	98
39) Methylcyclohexane	7.379	83	64728	18.736	ug/l	93
40) Benzene	6.038	78	164371	20.400	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	35545	21.795	ug/l	94
42) 1,2-Dichloroethane	6.086	62	66925	21.837	ug/l	98
43) Isopropyl Acetate	6.336	43	109013	23.245	ug/l	98
44) Trichloroethene	7.123	130	43575	19.443	ug/l	97
45) 1,2-Dichloropropane	7.428	63	45235	20.613	ug/l	97
46) Dibromomethane	7.580	93	33459	21.660	ug/l	95
47) Bromodichloromethane	7.824	83	60810	21.769	ug/l	99
48) Methyl methacrylate	7.690	41	52881	22.615	ug/l	93
49) 1,4-Dioxane	7.671	88	21888	422.237	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	339735	112.440	ug/l	99
52) Toluene	8.720	92	101831	19.942	ug/l	92
53) t-1,3-Dichloropropene	8.976	75	66089	23.421	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	70222	22.014	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	46674	21.993	ug/l	92
56) Ethyl methacrylate	9.116	69	72383	22.803	ug/l	96
57) 1,3-Dichloropropane	9.305	76	79327	21.811	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	216423	121.320	ug/l	99
59) 2-Hexanone	9.427	43	252214	114.308	ug/l	98
60) Dibromochloromethane	9.519	129	45859	22.241	ug/l	99
61) 1,2-Dibromoethane	9.610	107	49711	22.073	ug/l	99
64) Tetrachloroethene	9.275	164	39111	20.934	ug/l	98
65) Chlorobenzene	10.079	112	113377	20.383	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	43041	22.893	ug/l	99
67) Ethyl Benzene	10.195	91	197617	19.984	ug/l	97
68) m/p-Xylenes	10.299	106	151661	39.475	ug/l	98
69) o-Xylene	10.640	106	75450	20.337	ug/l	100
70) Styrene	10.653	104	124245	20.453	ug/l	97
71) Bromoform	10.799	173	31233	23.161	ug/l #	98
73) Isopropylbenzene	10.963	105	193737	20.193	ug/l	97
74) N-amyl acetate	10.842	43	92427	24.356	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	70503	21.700	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	58757m	21.637	ug/l	
77) Bromobenzene	11.195	156	48994	20.768	ug/l	92
78) n-propylbenzene	11.305	91	224046	19.996	ug/l	98
79) 2-Chlorotoluene	11.366	91	134973	20.250	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	163944	20.178	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	19787	23.752	ug/l	93
82) 4-Chlorotoluene	11.451	91	153061	19.724	ug/l	96
83) tert-Butylbenzene	11.713	119	159332	20.462	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	168139	20.917	ug/l	99
85) sec-Butylbenzene	11.890	105	201138	20.390	ug/l	99
86) p-Isopropyltoluene	12.006	119	166891	20.159	ug/l	97
87) 1,3-Dichlorobenzene	11.969	146	86973	20.052	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	87531	19.819	ug/l	98
89) n-Butylbenzene	12.329	91	146527	19.888	ug/l	97
90) Hexachloroethane	12.536	117	25930	20.680	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	88973	20.833	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14552	23.581	ug/l	85
93) 1,2,4-Trichlorobenzene	13.585	180	55034	20.921	ug/l	98
94) Hexachlorobutadiene	13.725	225	21718	20.158	ug/l	99
95) Naphthalene	13.774	128	198732	22.867	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	58265	22.706	ug/l	98

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

