

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090122\
 Data File : VX031021.D
 Acq On : 01 Sep 2022 11:47
 Operator : JC/MD
 Sample : VSTDIC010
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 01 13:22:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X090122W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 01 13:21:01 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	202639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	334230	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	291390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	148831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	25239	8.684	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	17.360%#		
35) Dibromofluoromethane	5.391	113	23592	9.576	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	19.160%#		
50) Toluene-d8	8.653	98	84194	9.228	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	18.460%#		
62) 4-Bromofluorobenzene	11.079	95	29577	9.103	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	18.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.167	85	19843	9.256	ug/l	91
3) Chloromethane	1.288	50	16659	7.710	ug/l	93
4) Vinyl Chloride	1.374	62	20683	8.103	ug/l	100
5) Bromomethane	1.612	94	10305	10.832	ug/l	96
6) Chloroethane	1.685	64	11878	7.739	ug/l	90
7) Trichlorofluoromethane	1.886	101	35631	9.178	ug/l	99
8) Diethyl Ether	2.136	74	12321	8.224	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.331	101	23064	9.238	ug/l	96
10) Methyl Iodide	2.453	142	15057	7.988	ug/l	95
11) Tert butyl alcohol	2.995	59	32007	46.482	ug/l	97
12) 1,1-Dichloroethene	2.319	96	22446	9.114	ug/l	99
13) Acrolein	2.239	56	23528	74.665	ug/l	99
14) Allyl chloride	2.666	41	29297	7.333	ug/l #	92
15) Acrylonitrile	3.069	53	61342	40.342	ug/l	98
16) Acetone	2.386	43	48864	37.251	ug/l	98
17) Carbon Disulfide	2.514	76	55926	8.605	ug/l	98
18) Methyl Acetate	2.709	43	27639	7.182	ug/l #	84
19) Methyl tert-butyl Ether	3.117	73	70021	8.730	ug/l #	89
20) Methylene Chloride	2.788	84	25849	8.667	ug/l #	89
21) trans-1,2-Dichloroethene	3.093	96	25138	9.414	ug/l	94
22) Diisopropyl ether	3.764	45	63160	7.672	ug/l	96
23) Vinyl Acetate	3.727	43	249571	37.786	ug/l	95
24) 1,1-Dichloroethane	3.617	63	40683	8.438	ug/l	100
25) 2-Butanone	4.568	43	75962	35.772	ug/l	94
26) 2,2-Dichloropropane	4.483	77	31448	8.656	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	27892	9.064	ug/l	94
28) Bromochloromethane	4.904	49	10830	6.944	ug/l #	75
29) Tetrahydrofuran	5.013	42	46826	34.087	ug/l #	84
30) Chloroform	5.099	83	46337	9.265	ug/l	90
31) Cyclohexane	5.465	56	34290	7.971	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	37917	8.943	ug/l	97
36) 1,1-Dichloropropene	5.702	75	32108	8.768	ug/l	98
37) Ethyl Acetate	4.727	43	28594	7.427	ug/l #	94
38) Carbon Tetrachloride	5.678	117	33368	9.571	ug/l	97
39) Methylcyclohexane	7.385	83	41686	9.307	ug/l	93
40) Benzene	6.044	78	96892	9.180	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	15814	7.563	ug/l	90
42) 1,2-Dichloroethane	6.092	62	31612	9.017	ug/l	99
43) Isopropyl Acetate	6.342	43	46715	7.820	ug/l	96
44) Trichloroethene	7.129	130	28214	9.074	ug/l	100
45) 1,2-Dichloropropane	7.434	63	24025	8.528	ug/l	92
46) Dibromomethane	7.586	93	18068	9.392	ug/l	93
47) Bromodichloromethane	7.824	83	34083	9.215	ug/l	96
48) Methyl methacrylate	7.696	41	21618	7.230	ug/l	89
49) 1,4-Dioxane	7.690	88	13332	169.652	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	147000	37.282	ug/l	91
52) Toluene	8.720	92	60976	9.455	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	32638	8.746	ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	36610	8.575	ug/l	94
55) 1,1,2-Trichloroethane	9.153	97	25787	9.219	ug/l	98
56) Ethyl methacrylate	9.116	69	35158	8.582	ug/l	88
57) 1,3-Dichloropropane	9.311	76	41798	9.060	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	86902	42.234	ug/l	95
59) 2-Hexanone	9.433	43	112250	38.284	ug/l	90
60) Dibromochloromethane	9.525	129	27199	9.784	ug/l	99
61) 1,2-Dibromoethane	9.610	107	28377	9.826	ug/l	95
64) Tetrachloroethene	9.275	164	28428	10.314	ug/l	94
65) Chlorobenzene	10.080	112	66904	9.710	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	24759	10.142	ug/l	97
67) Ethyl Benzene	10.195	91	116350	9.520	ug/l	98
68) m/p-Xylenes	10.305	106	92603	20.004	ug/l	99
69) o-Xylene	10.647	106	43988	9.709	ug/l	94
70) Styrene	10.659	104	73857	9.656	ug/l	98
71) Bromoform	10.799	173	19133	9.988	ug/l #	99
73) Isopropylbenzene	10.964	105	116468	9.891	ug/l	100
74) N-amyl acetate	10.842	43	34792	7.643	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	11.213	83	39528	9.799	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	37531m	10.243	ug/l	
77) Bromobenzene	11.201	156	28502	9.989	ug/l	92
78) n-propylbenzene	11.305	91	130505	9.457	ug/l	99
79) 2-Chlorotoluene	11.366	91	82919	9.675	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	98360	9.914	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.018	75	10215	8.289	ug/l	98
82) 4-Chlorotoluene	11.457	91	90813	9.478	ug/l	99
83) tert-Butylbenzene	11.713	119	99705	10.237	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	96585	9.509	ug/l	97
85) sec-Butylbenzene	11.890	105	125552	9.932	ug/l	100
86) p-Isopropyltoluene	12.012	119	98387	9.382	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	54994	9.775	ug/l	98
88) 1,4-Dichlorobenzene	12.043	146	53954	9.354	ug/l	96
89) n-Butylbenzene	12.335	91	84710	8.630	ug/l	98
90) Hexachloroethane	12.543	117	17939	9.743	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	54650	9.577	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	8896	8.841	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	35565	9.749	ug/l	98
94) Hexachlorobutadiene	13.725	225	15779	10.186	ug/l	98
95) Naphthalene	13.774	128	129973	9.962	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	37881	10.285	ug/l	98

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

