

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102622\
 Data File : VX032400.D
 Acq On : 26 Oct 2022 13:25
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 07:00:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 06:59:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	121635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	167866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	81688	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	9202	5.445	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	10.880%#		
35) Dibromofluoromethane	5.385	113	7316	5.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.700%#		
50) Toluene-d8	8.653	98	24037	5.054	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.100%#		
62) 4-Bromofluorobenzene	11.085	95	8593	4.625	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.260%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	6005	4.280	ug/l	96
3) Chloromethane	1.294	50	5022	4.233	ug/l	98
4) Vinyl Chloride	1.374	62	5969	4.571	ug/l	100
5) Bromomethane	1.605	94	5470	5.242	ug/l	99
6) Chloroethane	1.685	64	3946	4.505	ug/l	99
7) Trichlorofluoromethane	1.886	101	11631	4.701	ug/l	93
8) Diethyl Ether	2.130	74	3894	4.857	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	6332	4.849	ug/l	98
10) Methyl Iodide	2.453	142	4993	3.679	ug/l	99
11) Tert butyl alcohol	2.965	59	6753	27.453	ug/l	97
12) 1,1-Dichloroethene	2.319	96	5722	4.691	ug/l	92
13) Acrolein	2.239	56	7023	28.598	ug/l	98
14) Allyl chloride	2.666	41	8938	4.597	ug/l	97
15) Acrylonitrile	3.062	53	16807	25.175	ug/l	98
16) Acetone	2.380	43	15837	25.782	ug/l	99
17) Carbon Disulfide	2.514	76	11290	3.886	ug/l	97
18) Methyl Acetate	2.703	43	9581	4.796	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	20739	4.837	ug/l	99
20) Methylene Chloride	2.788	84	6993	4.965	ug/l	94
21) trans-1,2-Dichloroethene	3.093	96	6145	4.628	ug/l	98
22) Diisopropyl ether	3.763	45	20196	4.802	ug/l	89
23) Vinyl Acetate	3.721	43	80708	23.751	ug/l	100
24) 1,1-Dichloroethane	3.605	63	11947	4.938	ug/l	96
25) 2-Butanone	4.562	43	23962	25.179	ug/l	97
26) 2,2-Dichloropropane	4.477	77	9128	4.746	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	7449	4.853	ug/l	100
28) Bromochloromethane	4.897	49	4930	5.721	ug/l #	96
29) Tetrahydrofuran	5.013	42	14829	24.434	ug/l	98
30) Chloroform	5.092	83	12891	4.856	ug/l	97
31) Cyclohexane	5.477	56	9371	4.573	ug/l	92
32) 1,1,1-Trichloroethane	5.385	97	10930	4.588	ug/l	96
36) 1,1-Dichloropropene	5.696	75	8943	4.695	ug/l	97
37) Ethyl Acetate	4.714	43	10311	5.201	ug/l	96
38) Carbon Tetrachloride	5.678	117	9398	4.448	ug/l	98
39) Methylcyclohexane	7.379	83	10201	4.526	ug/l	96
40) Benzene	6.037	78	25776	4.782	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	4843	4.795	ug/l #	91
42) 1,2-Dichloroethane	6.086	62	10348	4.696	ug/l	99
43) Isopropyl Acetate	6.348	43	14403	4.731	ug/l	99
44) Trichloroethene	7.129	130	7122	4.694	ug/l	96
45) 1,2-Dichloropropane	7.434	63	6896	4.984	ug/l	95
46) Dibromomethane	7.586	93	5106	4.812	ug/l	98
47) Bromodichloromethane	7.824	83	9335	4.642	ug/l	97
48) Methyl methacrylate	7.696	41	7428	4.725	ug/l	99
49) 1,4-Dioxane	7.671	88	3367	112.373	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	47261	24.647	ug/l	98
52) Toluene	8.720	92	16451	4.678	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	8686	4.233	ug/l	98
54) cis-1,3-Dichloropropene	8.372	75	9898	4.510	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	7232	4.883	ug/l	96
56) Ethyl methacrylate	9.116	69	10010	4.697	ug/l	97
57) 1,3-Dichloropropane	9.311	76	11728	4.904	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	23758	23.150	ug/l	98
59) 2-Hexanone	9.433	43	35226	24.758	ug/l	100
60) Dibromochloromethane	9.525	129	7221	4.464	ug/l	98
61) 1,2-Dibromoethane	9.610	107	7453	4.749	ug/l	95
64) Tetrachloroethene	9.275	164	6068	4.939	ug/l	90
65) Chlorobenzene	10.079	112	19120	5.085	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	7075	4.999	ug/l	98
67) Ethyl Benzene	10.195	91	31661	4.708	ug/l	93
68) m/p-Xylenes	10.305	106	24361	9.330	ug/l	98
69) o-Xylene	10.640	106	11969	4.715	ug/l	96
70) Styrene	10.659	104	20115	4.768	ug/l	98
71) Bromoform	10.799	173	5088	4.547	ug/l #	99
73) Isopropylbenzene	10.963	105	32023	4.947	ug/l	99
74) N-amyl acetate	10.848	43	12203	4.989	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	11183	5.382	ug/l	97
76) 1,2,3-Trichloropropane	11.244	75	9527m	5.552	ug/l	
77) Bromobenzene	11.201	156	8285	5.221	ug/l	97
78) n-propylbenzene	11.305	91	36651	4.914	ug/l	99
79) 2-Chlorotoluene	11.366	91	22557	5.050	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	28020	5.065	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2468	4.321	ug/l	96
82) 4-Chlorotoluene	11.457	91	25519	4.883	ug/l	100
83) tert-Butylbenzene	11.713	119	27951	5.061	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	27417	4.983	ug/l	97
85) sec-Butylbenzene	11.890	105	32967	4.960	ug/l	100
86) p-Isopropyltoluene	12.012	119	27867	4.942	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	15308	5.114	ug/l	98
88) 1,4-Dichlorobenzene	12.042	146	15520	4.998	ug/l	95
89) n-Butylbenzene	12.335	91	23592	4.809	ug/l	97
90) Hexachloroethane	12.542	117	4205	4.565	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	15238	5.162	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2225	4.884	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	9434	4.902	ug/l	98
94) Hexachlorobutadiene	13.725	225	4072	5.066	ug/l	99
95) Naphthalene	13.780	128	31762	4.953	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9895	5.058	ug/l	97

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

