

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120722\
 Data File : VX033274.D
 Acq On : 07 Dec 2022 10:09
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 07 10:46:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 09:47:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	144070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	229334	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	202892	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	5440	3.505	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	7.020%#		
35) Dibromofluoromethane	5.391	113	5752	4.449	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	8.900%#		
50) Toluene-d8	8.653	98	11540	2.749	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	5.500%#		
62) 4-Bromofluorobenzene	11.079	95	7812	4.600	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.200%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	5044	4.583	ug/l	97
3) Chloromethane	1.294	50	6038	5.081	ug/l	96
4) Vinyl Chloride	1.374	62	6564	4.961	ug/l	94
5) Bromomethane	1.617	94	5092	5.190	ug/l	97
6) Chloroethane	1.691	64	5540	5.143	ug/l	95
7) Trichlorofluoromethane	1.886	101	12920	5.032	ug/l	100
8) Diethyl Ether	2.136	74	4665	5.770	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	6854	5.078	ug/l	97
10) Methyl Iodide	2.453	142	5583	3.613	ug/l	99
11) Tert butyl alcohol	3.007	59	7343m	33.016	ug/l	
12) 1,1-Dichloroethene	2.319	96	6721	5.346	ug/l	99
13) Acrolein	2.239	56	8257m	32.321	ug/l	
14) Allyl chloride	2.666	41	10045	4.949	ug/l	97
15) Acrylonitrile	3.068	53	16698	26.544	ug/l	99
16) Acetone	2.392	43	17889	27.301	ug/l	97
17) Carbon Disulfide	2.514	76	16275	4.685	ug/l	97
18) Methyl Acetate	2.709	43	9028	4.977	ug/l	96
19) Methyl tert-butyl Ether	3.111	73	21635	4.962	ug/l	98
20) Methylene Chloride	2.788	84	7429	4.706	ug/l	97
21) trans-1,2-Dichloroethene	3.093	96	7168	4.984	ug/l	97
22) Diisopropyl ether	3.763	45	21433	4.849	ug/l	94
23) Vinyl Acetate	3.727	43	78754	22.764	ug/l	98
24) 1,1-Dichloroethane	3.605	63	12949	5.120	ug/l	98
25) 2-Butanone	4.568	43	23979	26.540	ug/l	98
26) 2,2-Dichloropropane	4.483	77	9330	4.588	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	8066	4.936	ug/l	100
28) Bromochloromethane	4.903	49	5414	4.872	ug/l #	99
29) Tetrahydrofuran	5.019	42	15358	26.788	ug/l	98
30) Chloroform	5.099	83	14271	5.038	ug/l	99
31) Cyclohexane	5.476	56	10895	4.793	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	12264	4.834	ug/l	97
36) 1,1-Dichloropropene	5.690	75	9627	4.657	ug/l	98
37) Ethyl Acetate	4.714	43	8802	4.880	ug/l	97
38) Carbon Tetrachloride	5.678	117	11021	4.806	ug/l	93
39) Methylcyclohexane	7.379	83	10958	4.646	ug/l	95
40) Benzene	6.043	78	28636	4.940	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	4794	4.724	ug/l	97
42) 1,2-Dichloroethane	6.092	62	11537	4.944	ug/l	99
43) Isopropyl Acetate	6.348	43	13843	4.641	ug/l	98
44) Trichloroethene	7.129	130	7732	4.754	ug/l	99
45) 1,2-Dichloropropane	7.433	63	7318	5.109	ug/l	96
46) Dibromomethane	7.586	93	5641	5.047	ug/l	99
47) Bromodichloromethane	7.824	83	10273	4.757	ug/l	100
48) Methyl methacrylate	7.696	41	7089	4.617	ug/l	97
49) 1,4-Dioxane	7.708	88	3321	117.505	ug/l #	83
51) 4-Methyl-2-Pentanone	8.573	43	46309	25.160	ug/l	98
52) Toluene	8.720	92	18018	4.725	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	8954m	4.224	ug/l	
54) cis-1,3-Dichloropropene	8.366	75	10463	4.494	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	7396	4.764	ug/l	94
56) Ethyl methacrylate	9.116	69	9861	4.610	ug/l	97
57) 1,3-Dichloropropane	9.311	76	12377	4.938	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	24237	23.860	ug/l	99
59) 2-Hexanone	9.433	43	33348	24.527	ug/l	98
60) Dibromochloromethane	9.525	129	8098	4.845	ug/l	99
61) 1,2-Dibromoethane	9.610	107	7913	4.829	ug/l	96
64) Tetrachloroethene	9.275	164	7306	5.087	ug/l	93
65) Chlorobenzene	10.079	112	19809	4.897	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	7253	4.894	ug/l	98
67) Ethyl Benzene	10.195	91	35174	4.902	ug/l	99
68) m/p-Xylenes	10.305	106	26854	9.557	ug/l	99
69) o-Xylene	10.640	106	13235	4.868	ug/l	94
70) Styrene	10.659	104	21152	4.756	ug/l	98
71) Bromoform	10.799	173	5553	4.886	ug/l #	98
73) Isopropylbenzene	10.963	105	34409	5.092	ug/l	99
74) N-amyl acetate	10.841	43	10497	4.566	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	10892	5.340	ug/l	97
76) 1,2,3-Trichloropropane	11.238	75	9183m	5.127	ug/l	
77) Bromobenzene	11.201	156	8678	5.222	ug/l	98
78) n-propylbenzene	11.305	91	37347	4.834	ug/l	100
79) 2-Chlorotoluene	11.366	91	23595	5.028	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	28056	4.942	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	2404	4.363	ug/l #	84
82) 4-Chlorotoluene	11.457	91	26803	4.874	ug/l	99
83) tert-Butylbenzene	11.713	119	27792	4.918	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	27785	4.908	ug/l	100
85) sec-Butylbenzene	11.890	105	32333	4.783	ug/l	99
86) p-Isopropyltoluene	12.012	119	27023	4.718	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	15307	4.910	ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	15903	4.981	ug/l	96
89) n-Butylbenzene	12.335	91	21376	4.332	ug/l	97
90) Hexachloroethane	12.542	117	4506	4.788	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	15312	5.050	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2190	5.382	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	8724	4.667	ug/l	99
94) Hexachlorobutadiene	13.725	225	3692	4.477	ug/l	99
95) Naphthalene	13.780	128	28600	4.730	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	9081	4.845	ug/l	98

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

