

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041624\
 Data File : VX041092.D
 Acq On : 16 Apr 2024 09:48
 Operator : JC/MD
 Sample : VSTDICC005
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/17/2024
 Supervised By : Mahesh Dadoda 04/17/2024

Quant Time: Apr 17 01:38:00 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041624W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 01:32:05 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	212234	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	299313	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	281780	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163150	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	12779	5.577	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	11.160%#		
35) Dibromofluoromethane	5.391	113	10506	5.254	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.500%#		
50) Toluene-d8	8.647	98	37108	5.298	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	10.600%#		
62) 4-Bromofluorobenzene	11.079	95	12964	4.876	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	9.760%#		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	8494	5.046	ug/l	100
3) Chloromethane	1.301	50	9894	5.288	ug/l	99
4) Vinyl Chloride	1.374	62	11150	5.200	ug/l	97
5) Bromomethane	1.599	94	7671	5.706	ug/l	94
6) Chloroethane	1.685	64	7585	5.359	ug/l	95
7) Trichlorofluoromethane	1.886	101	17834	5.299	ug/l	97
8) Diethyl Ether	2.136	74	6567	4.972	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.331	101	9708	4.962	ug/l #	86
10) Methyl Iodide	2.453	142	8437	4.105	ug/l	94
11) Tert butyl alcohol	2.965	59	11363	25.349	ug/l #	94
12) 1,1-Dichloroethene	2.319	96	9318	4.974	ug/l	84
13) Acrolein	2.239	56	14479	25.683	ug/l	96
14) Allyl chloride	2.666	41	14558	4.806	ug/l	97
15) Acrylonitrile	3.062	53	27316	24.611	ug/l	99
16) Acetone	2.380	43	24794	25.743	ug/l	99
17) Carbon Disulfide	2.514	76	20986	4.922	ug/l	98
18) Methyl Acetate	2.709	43	11782	4.900	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	27688	4.782	ug/l	95
20) Methylene Chloride	2.788	84	10270	4.997	ug/l	93
21) trans-1,2-Dichloroethene	3.093	96	9470	4.929	ug/l #	85
22) Diisopropyl ether	3.757	45	28095	4.843	ug/l #	75
23) Vinyl Acetate	3.721	43	123247	23.441	ug/l	97
24) 1,1-Dichloroethane	3.605	63	17068	5.025	ug/l	99
25) 2-Butanone	4.562	43	36911	24.392	ug/l	97
26) 2,2-Dichloropropane	4.477	77	12266	4.549	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	11096	4.780	ug/l	88
28) Bromochloromethane	4.897	49	8268	3.640	ug/l #	74
29) Tetrahydrofuran	5.013	42	25081	25.036	ug/l	98
30) Chloroform	5.099	83	18343	4.970	ug/l	98
31) Cyclohexane	5.464	56	14368	5.062	ug/l	96
32) 1,1,1-Trichloroethane	5.385	97	15506	4.787	ug/l	99
36) 1,1-Dichloropropene	5.702	75	12629	4.989	ug/l	97
37) Ethyl Acetate	4.721	43	15291	5.058	ug/l	100
38) Carbon Tetrachloride	5.678	117	13877	4.728	ug/l	92
39) Methylcyclohexane	7.379	83	15290	4.814	ug/l	93
40) Benzene	6.038	78	37910	4.906	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	7550	4.766	ug/l	97
42) 1,2-Dichloroethane	6.092	62	13811	4.988	ug/l	96
43) Isopropyl Acetate	6.348	43	20565	4.581	ug/l	98
44) Trichloroethene	7.123	130	11261	4.907	ug/l	82
45) 1,2-Dichloropropane	7.428	63	8625	4.701	ug/l	95
46) Dibromomethane	7.580	93	7073	4.903	ug/l #	79
47) Bromodichloromethane	7.824	83	13029	4.640	ug/l	95
48) Methyl methacrylate	7.696	41	9726	4.439	ug/l	94
49) 1,4-Dioxane	7.665	88	4809	93.922	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	71585	23.474	ug/l	98
52) Toluene	8.720	92	24741	4.905	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	11615	4.312	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	13342	4.509	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	9809	4.843	ug/l	98
56) Ethyl methacrylate	9.116	69	13271	4.141	ug/l	97
57) 1,3-Dichloropropane	9.311	76	16227	4.917	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	33112	23.247	ug/l	94
59) 2-Hexanone	9.433	43	55259	23.424	ug/l	99
60) Dibromochloromethane	9.519	129	10969	4.478	ug/l	98
61) 1,2-Dibromoethane	9.610	107	10391	4.697	ug/l	100
64) Tetrachloroethene	9.275	164	11363	5.074	ug/l	91
65) Chlorobenzene	10.079	112	30265	4.866	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	10002	4.700	ug/l	99
67) Ethyl Benzene	10.195	91	45059	4.642	ug/l	99
68) m/p-Xylenes	10.299	106	36269	9.394	ug/l	94
69) o-Xylene	10.640	106	17136	4.560	ug/l	95
70) Styrene	10.659	104	29021	4.548	ug/l	95
71) Bromoform	10.799	173	8549	4.266	ug/l #	99
73) Isopropylbenzene	10.963	105	45946	4.774	ug/l	98
74) N-amyl acetate	10.842	43	16556	4.337	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	15282	4.839	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	14017m	5.272	ug/l	
77) Bromobenzene	11.195	156	13392	4.740	ug/l	79
78) n-propylbenzene	11.305	91	51043	4.730	ug/l	97
79) 2-Chlorotoluene	11.366	91	31841	4.840	ug/l	92
80) 1,3,5-Trimethylbenzene	11.451	105	37727	4.706	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.018	75	3499	5.754	ug/l	93
82) 4-Chlorotoluene	11.457	91	35916	4.689	ug/l	91
83) tert-Butylbenzene	11.713	119	40068	4.686	ug/l	91
84) 1,2,4-Trimethylbenzene	11.750	105	37423	4.678	ug/l	93
85) sec-Butylbenzene	11.890	105	48607	4.738	ug/l	96
86) p-Isopropyltoluene	12.006	119	42260	4.642	ug/l	96
87) 1,3-Dichlorobenzene	11.969	146	25395	4.765	ug/l	95
88) 1,4-Dichlorobenzene	12.043	146	27197	4.838	ug/l	99
89) n-Butylbenzene	12.335	91	34767	4.501	ug/l	96
90) Hexachloroethane	12.536	117	6658	4.318	ug/l	59
91) 1,2-Dichlorobenzene	12.335	146	25166	4.758	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	3164	4.619	ug/l	58
93) 1,2,4-Trichlorobenzene	13.585	180	17956	4.517	ug/l	96
94) Hexachlorobutadiene	13.725	225	9169	4.838	ug/l	96
95) Naphthalene	13.774	128	46584	4.339	ug/l	100
96) 1,2,3-Trichlorobenzene	13.963	180	18123	4.591	ug/l	96

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

