

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041178.D
 Acq On : 29 Apr 2024 10:49
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Apr 30 05:05:33 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Apr 30 05:04:57 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/30/2024
 Supervised By : Mahesh Dadoda 04/30/2024

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

Internal Standards						
1) Bromochloromethane	5.185	49	1128547	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2868001	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2656923	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	2015819	10.046	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.719	85	96105	0.616	ppbv	92
3) Chlorodifluoromethane	2.665	51	92535	0.538	ppbv	97
4) Chloromethane	2.803	50	37307	0.545	ppbv	99
5) Vinyl Chloride	2.909	62	33984	0.512	ppbv	91
6) Bromomethane	3.111	94	13054	0.531	ppbv	95
7) Chloroethane	3.185	64	13271	0.551	ppbv	90
8) Dichlorotetrafluoroethane	2.848	85	84194	0.534	ppbv	94
9) Propene	2.684	41	37472	0.558	ppbv	98
10) Heptane	7.571	43	85369	0.531	ppbv	98
11) Trichlorofluoromethane	3.552	101	79385	0.512	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	61814	0.534	ppbv	98
13) Ethanol	3.253	45	6579m	0.454	ppbv	
14) Bromoethene	3.356	108	24818m	0.515	ppbv	
15) Acetone	3.475	43	77920	0.579	ppbv #	88
16) 1,3-Butadiene	2.976	39	31528	0.471	ppbv	84
17) tert-Butyl alcohol	3.880	59	68078	0.468	ppbv #	85
18) 1,1-Dichloroethene	3.870	96	28245	0.532	ppbv	90
19) Isopropyl Alcohol	3.581	45	41301m	0.472	ppbv	
20) Methylene Chloride	3.925	84	27917	0.597	ppbv	86
21) Allyl Chloride	3.986	41	48808	0.556	ppbv	93
22) trans-1,2-Dichloroethene	4.439	96	26013	0.496	ppbv	98
23) Vinyl Acetate	4.626	43	78747	0.530	ppbv	99
24) 1,1-Dichloroethane	4.558	63	61911	0.541	ppbv #	97
25) Ethyl Acetate	5.205	43	135253	0.512	ppbv #	97
26) Hexane	5.208	57	59773	0.511	ppbv	87
27) Carbon Disulfide	4.115	76	68745	0.496	ppbv #	93
28) Methyl tert-Butyl Ether	4.591	73	50217	0.528	ppbv #	79
29) Chloroform	5.269	83	85566	0.524	ppbv	90
30) Cyclohexane	6.594	84	54504m	0.568	ppbv	
31) cis-1,2-Dichloroethene	5.070	61	57667	0.515	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	86802	0.530	ppbv	97
34) 2-Butanone	4.793	43	81235m	0.579	ppbv	
35) Carbon Tetrachloride	6.488	117	86968	0.534	ppbv	96
36) Benzene	6.365	78	123516	0.512	ppbv	95
37) 1,2-Dichloroethane	5.803	62	64600	0.512	ppbv #	92
38) Trichloroethene	7.285	130	46554	0.511	ppbv	85
39) 1,2-Dichloropropane	7.066	63	47513	0.510	ppbv	96
40) 1,4-Dioxane	7.320	88	14642m	0.440	ppbv	
41) Tetrahydrofuran	5.574	42	52608	0.507	ppbv	93
42) Bromodichloromethane	7.240	83	95551	0.518	ppbv	91
43) Methyl Methacrylate	7.468	69	51370m	0.519	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	222720	0.533	ppbv	99
45) t-1,3-Dichloropropene	8.713	75	35627m	0.492	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	45351	0.517	ppbv	92
47) 1,1,2-Trichloroethane	8.896	97	47606	0.513	ppbv	92
48) Dibromochloromethane	9.706	129	74025	0.493	ppbv	95
49) Bromoform	12.404	173	63005	0.489	ppbv	97
50) 4-Methyl-2-Pentanone	8.192	43	136553	0.516	ppbv	96
51) 2-Hexanone	9.568	43	96771	0.502	ppbv #	92
52) Tetrachloroethene	10.616	164	43486	0.512	ppbv	88
53) Toluene	9.214	91	147932	0.526	ppbv	98
54) 1,2-Dibromoethane	10.005	107	64763m	0.513	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	59155	0.538	ppbv #	1
57) Chlorobenzene	11.523	112	104511	0.538	ppbv	99
58) Ethyl Benzene	12.085	91	198340	0.542	ppbv	96
59) m/p-Xylene	12.346	91	335741m	1.093	ppbv	
60) o-Xylene	13.056	91	161481	0.560	ppbv	100
61) Styrene	12.899	104	78413	0.521	ppbv	95
62) Isopropylbenzene	14.027	105	243105	0.561	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.050	83	111160m	0.567	ppbv	
64) n-propylbenzene	14.918	120	57500m	0.530	ppbv	
65) tert-Butylbenzene	16.088	119	212722	0.556	ppbv	98
66) Benzyl Chloride	16.320	91	27706m	0.608	ppbv	
67) sec-Butylbenzene	16.635	105	302898	0.559	ppbv	100
69) p-Isopropyltoluene	16.995	119	255910m	0.570	ppbv	
70) n-Butylbenzene	17.889	91	246360	0.528	ppbv	97
71) 2-Chlorotoluene	14.796	91	181470	0.548	ppbv	99
72) 4-Ethyltoluene	15.191	105	175607	0.534	ppbv	98
73) 1,3,5-Trimethylbenzene	15.349	105	160422	0.538	ppbv	95
74) 1,2,4-Trimethylbenzene	16.105	105	179991	0.554	ppbv	96
75) 1,3-Dichlorobenzene	16.326	146	94973	0.520	ppbv	96
76) 1,4-Dichlorobenzene	16.471	146	97680m	0.549	ppbv	
77) 1,2-Dichlorobenzene	17.143	146	98758m	0.535	ppbv	
78) Hexachloro-1,3-Butadiene	22.635	225	94560m	0.576	ppbv	
79) Naphthalene	21.384	128	179452m	0.583	ppbv	
80) Naphthalene,2-methyl-	24.381	142	83316	0.643	ppbv	86
81) 1,2,4-Trichlorobenzene	21.140	180	86396m	0.525	ppbv	

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

