

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041181.D
 Acq On : 29 Apr 2024 12:48
 Operator : SY/MD
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Apr 30 05:07:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1048732	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2650686	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2490417	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 1868013 9.931 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.723	85	150955	1.041	ppbv	98
3) Chlorodifluoromethane	2.668	51	167364	1.047	ppbv	97
4) Chloromethane	2.806	50	64506	1.014	ppbv	92
5) Vinyl Chloride	2.915	62	62623	1.015	ppbv	95
6) Bromomethane	3.115	94	23574	1.031	ppbv	94
7) Chloroethane	3.189	64	23239	1.038	ppbv #	86
8) Dichlorotetrafluoroethane	2.851	85	148578	1.014	ppbv	94
9) Propene	2.687	41	63246	1.014	ppbv	95
10) Heptane	7.571	43	156575	1.048	ppbv	98
11) Trichlorofluoromethane	3.555	101	147438	1.024	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.057	101	114620	1.066	ppbv	99
13) Ethanol	3.243	45	13994m	1.039	ppbv	
14) Bromoethene	3.359	108	44841	1.001	ppbv #	97
15) Acetone	3.469	43	132022	1.055	ppbv	94
16) 1,3-Butadiene	2.977	39	65759	1.057	ppbv	100
17) tert-Butyl alcohol	3.877	59	137225	1.014	ppbv	95
18) 1,1-Dichloroethene	3.870	96	46565	0.944	ppbv	93
19) Isopropyl Alcohol	3.581	45	77920	0.958	ppbv #	45
20) Methylene Chloride	3.925	84	43959	1.012	ppbv	91
21) Allyl Chloride	3.986	41	81962	1.005	ppbv	97
22) trans-1,2-Dichloroethene	4.440	96	49275	1.012	ppbv #	87
23) Vinyl Acetate	4.623	43	144403	1.046	ppbv #	95
24) 1,1-Dichloroethane	4.555	63	108957	1.024	ppbv	99
25) Ethyl Acetate	5.205	43	255793	1.042	ppbv	98
26) Hexane	5.211	57	115039m	1.059	ppbv	
27) Carbon Disulfide	4.115	76	132020	1.024	ppbv #	88
28) Methyl tert-Butyl Ether	4.584	73	91678	1.037	ppbv	92
29) Chloroform	5.269	83	154421	1.018	ppbv	95
30) Cyclohexane	6.594	84	90083	1.010	ppbv	94
31) cis-1,2-Dichloroethene	5.073	61	104548	1.005	ppbv	97
32) 1,1,1-Trichloroethane	5.999	97	160820	1.057	ppbv	99
34) 2-Butanone	4.787	43	146130	1.127	ppbv	100
35) Carbon Tetrachloride	6.488	117	153786	1.022	ppbv	97
36) Benzene	6.362	78	238138	1.068	ppbv	98
37) 1,2-Dichloroethane	5.800	62	118480	1.015	ppbv	99
38) Trichloroethene	7.282	130	85299m	1.013	ppbv	
39) 1,2-Dichloropropane	7.063	63	90185	1.047	ppbv	96
40) 1,4-Dioxane	7.314	88	32228m	1.048	ppbv	
41) Tetrahydrofuran	5.565	42	96300	1.004	ppbv	98
42) Bromodichloromethane	7.243	83	171873	1.009	ppbv	95
43) Methyl Methacrylate	7.472	69	94441	1.032	ppbv	98
44) 2,2,4-Trimethylpentane	7.324	57	409495	1.061	ppbv	98
45) t-1,3-Dichloropropene	8.706	75	63578	0.949	ppbv	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	79736	0.983	ppbv	94
47) 1,1,2-Trichloroethane	8.896	97	88640	1.033	ppbv	96
48) Dibromochloromethane	9.703	129	138932	1.001	ppbv	98
49) Bromoform	12.397	173	117642	0.987	ppbv	97
50) 4-Methyl-2-Pentanone	8.182	43	260965	1.066	ppbv	100
51) 2-Hexanone	9.558	43	185009	1.038	ppbv #	94
52) Tetrachloroethene	10.606	164	81594	1.038	ppbv	91
53) Toluene	9.214	91	270789	1.041	ppbv	99
54) 1,2-Dibromoethane	10.005	107	117672	1.009	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.504	131	107017	1.038	ppbv #	1
57) Chlorobenzene	11.520	112	192366	1.056	ppbv	93
58) Ethyl Benzene	12.082	91	372483m	1.086	ppbv	
59) m/p-Xylene	12.368	91	629262m	2.186	ppbv	
60) o-Xylene	13.053	91	292199	1.081	ppbv	99
61) Styrene	12.896	104	146815m	1.040	ppbv	
62) Isopropylbenzene	14.021	105	438392	1.080	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	193421	1.053	ppbv	97
64) n-propylbenzene	14.915	120	108967	1.071	ppbv	90
65) tert-Butylbenzene	16.082	119	400134m	1.115	ppbv	
66) Benzyl Chloride	16.323	91	39854m	0.933	ppbv	
67) sec-Butylbenzene	16.629	105	553419	1.090	ppbv	99
69) p-Isopropyltoluene	16.989	119	451215	1.072	ppbv	99
70) n-Butylbenzene	17.883	91	486852	1.114	ppbv	97
71) 2-Chlorotoluene	14.796	91	335894	1.083	ppbv	98
72) 4-Ethyltoluene	15.188	105	324882	1.054	ppbv	98
73) 1,3,5-Trimethylbenzene	15.343	105	304982m	1.091	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	323414	1.063	ppbv	99
75) 1,3-Dichlorobenzene	16.327	146	176338	1.030	ppbv	94
76) 1,4-Dichlorobenzene	16.468	146	174843	1.048	ppbv	97
77) 1,2-Dichlorobenzene	17.143	146	187781m	1.085	ppbv	
78) Hexachloro-1,3-Butadiene	22.629	225	177741m	1.156	ppbv	
79) Naphthalene	21.381	128	335486m	1.163	ppbv	
80) Naphthalene,2-methyl-	24.368	142	121078m	0.997	ppbv	
81) 1,2,4-Trichlorobenzene	21.140	180	156445	1.015	ppbv	93

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

