

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039761.D
 Acq On : 24 Oct 2022 15:51
 Operator : SY/AP
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/26/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 24 16:55:09 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

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

QLast Update : Sat Oct 22 02:12:34 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	965013	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2606641	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2252959	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1629694 10.190 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.748	85	64914m	0.402 ppbv	
3) Chlorodifluoromethane	2.693	51	60324	0.491 ppbv	97
4) Chloromethane	2.835	50	38199	0.497 ppbv	96
5) Vinyl Chloride	2.941	62	26590	0.440 ppbv	100
6) Bromomethane	3.140	94	10925	0.488 ppbv #	67
7) Chloroethane	3.218	64	10654	0.476 ppbv	96
8) Dichlorotetrafluoroethane	2.874	85	77046	0.514 ppbv	100
9) Propene	2.719	41	23672	0.422 ppbv #	82
10) Heptane	7.584	43	47366	0.364 ppbv	95
11) Trichlorofluoromethane	3.578	101	71677	0.477 ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.079	101	56232	0.465 ppbv	96
13) Ethanol	3.269	45	1905m	0.498 ppbv	
14) Bromoethene	3.382	108	22054m	0.478 ppbv	
15) Acetone	3.504	43	59331m	0.509 ppbv	
16) 1,3-Butadiene	3.002	39	27707	0.474 ppbv	89
17) tert-Butyl alcohol	3.912	59	44790m	0.452 ppbv	
18) 1,1-Dichloroethene	3.896	96	24427m	0.470 ppbv	
19) Isopropyl Alcohol	3.607	45	27144m	0.477 ppbv	
20) Methylene Chloride	3.944	84	26587m	0.568 ppbv	
21) Allyl Chloride	4.012	41	39872m	0.496 ppbv	
22) trans-1,2-Dichloroethene	4.455	96	26497m	0.503 ppbv	
23) Vinyl Acetate	4.648	43	24275m	0.494 ppbv	
24) 1,1-Dichloroethane	4.574	63	55595	0.496 ppbv	98
25) Ethyl Acetate	5.224	43	105631	0.453 ppbv #	95
26) Hexane	5.218	57	42996	0.452 ppbv	94
27) Carbon Disulfide	4.134	76	47771m	0.401 ppbv	
28) Methyl tert-Butyl Ether	4.616	73	42399m	0.470 ppbv	
29) Chloroform	5.279	83	72004	0.472 ppbv	100
30) Cyclohexane	6.600	84	36916m	0.462 ppbv	
31) cis-1,2-Dichloroethene	5.086	61	43762m	0.513 ppbv	
32) 1,1,1-Trichloroethane	6.008	97	66659m	0.504 ppbv	
34) 2-Butanone	4.812	43	61917m	0.515 ppbv	
35) Carbon Tetrachloride	6.494	117	67636	0.501 ppbv	89
36) Benzene	6.369	78	91089m	0.463 ppbv	
37) 1,2-Dichloroethane	5.809	62	52225m	0.493 ppbv	
38) Trichloroethene	7.291	130	53172m	0.504 ppbv	
39) 1,2-Dichloropropane	7.079	63	38786m	0.514 ppbv	
40) 1,4-Dioxane	7.333	88	11796m	0.408 ppbv	
41) Tetrahydrofuran	5.594	42	32270m	0.419 ppbv	
42) Bromodichloromethane	7.250	83	72493m	0.498 ppbv	
43) Methyl Methacrylate	7.484	69	25127m	0.355 ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	146739m	0.440 ppbv	
45) t-1,3-Dichloropropene	8.713	75	20645m	0.352 ppbv	

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

QLast Update : Sat Oct 22 02:12:34 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	27841m	0.336	ppbv	
47) 1,1,2-Trichloroethane	8.896	97	39021m	0.476	ppbv	
48) Dibromochloromethane	9.700	129	56509m	0.457	ppbv	
49) Bromoform	12.404	173	44203m	0.444	ppbv	
50) 4-Methyl-2-Pentanone	8.205	43	76724m	0.391	ppbv	
51) 2-Hexanone	9.577	43	49292m	0.351	ppbv	
52) Tetrachloroethene	10.613	164	33895	0.477	ppbv #	89
53) Toluene	9.217	91	74566	0.351	ppbv	98
54) 1,2-Dibromoethane	10.002	107	37257	0.452	ppbv	88
56) 1,1,1,2-Tetrachloroethane	11.503	131	47517	0.520	ppbv #	1
57) Chlorobenzene	11.516	112	90465m	0.547	ppbv	
58) Ethyl Benzene	12.082	91	98550m	0.379	ppbv	
59) m/p-Xylene	12.368	91	192226m	0.836	ppbv	
60) o-Xylene	13.053	91	87206m	0.396	ppbv	
61) Styrene	12.899	104	34649m	0.301	ppbv	
62) Isopropylbenzene	14.024	105	148613m	0.454	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.040	83	49106m	0.584	ppbv	
64) n-propylbenzene	14.908	120	36408m	0.442	ppbv	
65) tert-Butylbenzene	16.088	119	121450	0.423	ppbv	92
66) Benzyl Chloride	16.317	91	9640m	0.481	ppbv	
67) sec-Butylbenzene	16.635	105	182582m	0.460	ppbv	
69) p-Isopropyltoluene	16.992	119	134217m	0.419	ppbv	
70) n-Butylbenzene	17.883	91	123210	0.400	ppbv	98
71) 2-Chlorotoluene	14.793	91	93467m	0.401	ppbv	
72) 4-Ethyltoluene	15.188	105	98095m	0.399	ppbv	
73) 1,3,5-Trimethylbenzene	15.346	105	82962	0.363	ppbv	99
74) 1,2,4-Trimethylbenzene	16.098	105	107548	0.428	ppbv	93
75) 1,3-Dichlorobenzene	16.326	146	70759m	0.471	ppbv	
76) 1,4-Dichlorobenzene	16.468	146	71984m	0.490	ppbv	
77) 1,2-Dichlorobenzene	17.133	146	72275m	0.494	ppbv	
78) Hexachloro-1,3-Butadiene	22.619	225	59834	0.567	ppbv	98
79) Naphthalene	21.384	128	55758m	0.379	ppbv	
80) Naphthalene,2-methyl-	24.378	142	20561m	0.468	ppbv	
81) 1,2,4-Trichlorobenzene	21.136	180	42911m	0.436	ppbv	

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

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MSVOA_L
ClientSampleId :
VSTDICC0.5

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Sat Oct 22 02:12:34 2022
Response via : Initial Calibration

