

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102422\
 Data File : VL039760.D
 Acq On : 24 Oct 2022 15:13
 Operator : SY/AP
 Sample : VSTDICC001
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC001

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 16:52:15 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri 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	1007742	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2656435	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2343726	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1691131 10.165 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.751	85	129110	0.765	ppbv	95
3) Chlorodifluoromethane	2.697	51	125253	0.976	ppbv	97
4) Chloromethane	2.832	50	75322	0.938	ppbv	100
5) Vinyl Chloride	2.938	62	60161	0.954	ppbv	89
6) Bromomethane	3.134	94	23396m	1.002	ppbv	
7) Chloroethane	3.214	64	22670	0.970	ppbv	96
8) Dichlorotetrafluoroethane	2.873	85	150640	0.962	ppbv	99
9) Propene	2.713	41	51211	0.873	ppbv	92
10) Heptane	7.574	43	118442	0.871	ppbv	100
11) Trichlorofluoromethane	3.578	101	147375	0.938	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.082	101	114416	0.905	ppbv	99
13) Ethanol	3.275	45	3730	0.934	ppbv	82
14) Bromoethene	3.385	108	43828	0.911	ppbv	97
15) Acetone	3.491	43	126862	1.043	ppbv	96
16) 1,3-Butadiene	3.002	39	59691m	0.977	ppbv	
17) tert-Butyl alcohol	3.902	59	93213m	0.902	ppbv	
18) 1,1-Dichloroethene	3.896	96	48051	0.886	ppbv	97
19) Isopropyl Alcohol	3.607	45	53939	0.908	ppbv #	86
20) Methylene Chloride	3.944	84	44945	0.919	ppbv	92
21) Allyl Chloride	4.008	41	71763	0.855	ppbv	95
22) trans-1,2-Dichloroethene	4.452	96	50591m	0.919	ppbv	
23) Vinyl Acetate	4.635	43	43786	0.853	ppbv #	96
24) 1,1-Dichloroethane	4.574	63	107510	0.918	ppbv #	98
25) Ethyl Acetate	5.217	43	221053	0.907	ppbv #	95
26) Hexane	5.221	57	94770	0.955	ppbv	92
27) Carbon Disulfide	4.140	76	109183	0.878	ppbv #	90
28) Methyl tert-Butyl Ether	4.603	73	82407	0.875	ppbv	99
29) Chloroform	5.275	83	155694	0.978	ppbv	86
30) Cyclohexane	6.610	84	72286m	0.866	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	95388	1.071	ppbv	93
32) 1,1,1-Trichloroethane	6.008	97	139922	1.014	ppbv	98
34) 2-Butanone	4.806	43	121483	0.991	ppbv	97
35) Carbon Tetrachloride	6.491	117	150873	1.096	ppbv	92
36) Benzene	6.378	78	200832m	1.002	ppbv	
37) 1,2-Dichloroethane	5.806	62	109608	1.015	ppbv	99
38) Trichloroethene	7.294	130	107374	0.999	ppbv	99
39) 1,2-Dichloropropane	7.073	63	73410	0.955	ppbv	92
40) 1,4-Dioxane	7.317	88	28944m	0.983	ppbv	
41) Tetrahydrofuran	5.584	42	68216m	0.868	ppbv	
42) Bromodichloromethane	7.249	83	146503	0.988	ppbv	88
43) Methyl Methacrylate	7.484	69	63699	0.883	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	339747	1.000	ppbv	97
45) t-1,3-Dichloropropene	8.709	75	45775m	0.767	ppbv	

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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	8.147	75	71991m	0.851	ppbv	
47) 1,1,2-Trichloroethane	8.892	97	84916m	1.017	ppbv	
48) Dibromochloromethane	9.700	129	127075m	1.009	ppbv	
49) Bromoform	12.397	173	96895	0.955	ppbv	97
50) 4-Methyl-2-Pentanone	8.195	43	169233	0.847	ppbv	99
51) 2-Hexanone	9.571	43	128436m	0.897	ppbv	
52) Tetrachloroethene	10.609	164	72250m	0.998	ppbv	
53) Toluene	9.220	91	192732	0.890	ppbv	98
54) 1,2-Dibromoethane	9.999	107	80326	0.956	ppbv	92
56) 1,1,1,2-Tetrachloroethane	11.500	131	100431	1.056	ppbv #	1
57) Chlorobenzene	11.523	112	185426	1.078	ppbv	99
58) Ethyl Benzene	12.088	91	245478	0.907	ppbv	99
59) m/p-Xylene	12.368	91	490921m	2.052	ppbv	
60) o-Xylene	13.053	91	222689	0.973	ppbv	99
61) Styrene	12.892	104	99843m	0.834	ppbv	
62) Isopropylbenzene	14.021	105	346303	1.016	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.047	83	94241m	1.077	ppbv	
64) n-propylbenzene	14.912	120	87656m	1.023	ppbv	
65) tert-Butylbenzene	16.082	119	304644	1.020	ppbv	96
66) Benzyl Chloride	16.323	91	18455m	0.884	ppbv	
67) sec-Butylbenzene	16.628	105	426498	1.032	ppbv	99
69) p-Isopropyltoluene	16.985	119	352349	1.058	ppbv	99
70) n-Butylbenzene	17.879	91	328534	1.025	ppbv	97
71) 2-Chlorotoluene	14.796	91	233172	0.961	ppbv	97
72) 4-Ethyltoluene	15.182	105	254452m	0.996	ppbv	
73) 1,3,5-Trimethylbenzene	15.342	105	233408	0.981	ppbv	99
74) 1,2,4-Trimethylbenzene	16.104	105	275038	1.053	ppbv	93
75) 1,3-Dichlorobenzene	16.323	146	165289	1.057	ppbv	98
76) 1,4-Dichlorobenzene	16.465	146	150681	0.986	ppbv	94
77) 1,2-Dichlorobenzene	17.133	146	153855	1.012	ppbv	96
78) Hexachloro-1,3-Butadiene	22.622	225	130163m	1.185	ppbv	
79) Naphthalene	21.374	128	157227	1.028	ppbv #	96
80) Naphthalene,2-methyl-	24.381	142	38331	0.839	ppbv	95
81) 1,2,4-Trichlorobenzene	21.127	180	100729	0.983	ppbv #	100

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

