

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102122\
 Data File : VL039742.D
 Acq On : 21 Oct 2022 11:21
 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 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 21 14:20:34 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102122AIR.M

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

QLast Update : Fri Oct 21 14:16:04 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1072210	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2918767	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	2582323	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.767 95 1837221 9.531 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.300%

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	2.751	85	193294m	1.555	ppbv	
3) Chlorodifluoromethane	2.694	51	130726	1.027	ppbv	99
4) Chloromethane	2.832	50	83935	1.093	ppbv	90
5) Vinyl Chloride	2.938	62	68204	1.066	ppbv	94
6) Bromomethane	3.137	94	23938	1.014	ppbv	95
7) Chloroethane	3.214	64	22163	0.947	ppbv	99
8) Dichlorotetrafluoroethane	2.877	85	166627	1.118	ppbv	99
9) Propene	2.716	41	55761	0.960	ppbv	88
10) Heptane	7.581	43	132387m	0.976	ppbv	
11) Trichlorofluoromethane	3.581	101	158148	1.027	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.079	101	129695	1.115	ppbv	99
13) Ethanol	3.269	45	4016m	0.907	ppbv	
14) Bromoethene	3.382	108	50430m	1.086	ppbv	
15) Acetone	3.494	43	125642	1.053	ppbv	94
16) 1,3-Butadiene	3.005	39	59506	0.983	ppbv	94
17) tert-Butyl alcohol	3.909	59	114312m	1.068	ppbv	
18) 1,1-Dichloroethene	3.899	96	54192	1.059	ppbv	94
19) Isopropyl Alcohol	3.600	45	55922m	0.920	ppbv	
20) Methylene Chloride	3.944	84	51207	0.928	ppbv	86
21) Allyl Chloride	4.012	41	74238	0.914	ppbv	91
22) trans-1,2-Dichloroethene	4.459	96	52727	1.042	ppbv	95
23) Vinyl Acetate	4.639	43	50741m	0.941	ppbv	
24) 1,1-Dichloroethane	4.575	63	112871	1.051	ppbv #	98
25) Ethyl Acetate	5.218	43	246211	0.946	ppbv #	96
26) Hexane	5.218	57	101160	0.916	ppbv	93
27) Carbon Disulfide	4.140	76	110948	0.956	ppbv #	92
28) Methyl tert-Butyl Ether	4.607	73	91773	0.989	ppbv	95
29) Chloroform	5.279	83	165654	1.039	ppbv	90
30) Cyclohexane	6.603	84	74790	0.875	ppbv	90
31) cis-1,2-Dichloroethene	5.086	61	85616	0.857	ppbv	96
32) 1,1,1-Trichloroethane	6.002	97	148255m	1.027	ppbv	
34) 2-Butanone	4.803	43	133647m	0.932	ppbv	
35) Carbon Tetrachloride	6.494	117	154024m	0.994	ppbv	
36) Benzene	6.369	78	218775	0.980	ppbv	97
37) 1,2-Dichloroethane	5.809	62	114807	0.945	ppbv	96
38) Trichloroethene	7.285	130	122616	1.017	ppbv	95
39) 1,2-Dichloropropane	7.070	63	82494m	0.957	ppbv	
40) 1,4-Dioxane	7.308	88	33216m	0.944	ppbv	
41) Tetrahydrofuran	5.581	42	85847m	0.976	ppbv	
42) Bromodichloromethane	7.243	83	155453m	0.920	ppbv	
43) Methyl Methacrylate	7.478	69	71166m	0.875	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	375619	0.977	ppbv	98
45) t-1,3-Dichloropropene	8.703	75	50825m	0.739	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	79317m	0.811	ppbv	
47) 1,1,2-Trichloroethane	8.893	97	90641m	0.962	ppbv	
48) Dibromochloromethane	9.703	129	128005m	0.903	ppbv	
49) Bromoform	12.394	173	98023m	0.836	ppbv	
50) 4-Methyl-2-Pentanone	8.195	43	211836m	0.940	ppbv	
51) 2-Hexanone	9.565	43	141691m	0.850	ppbv	
52) Tetrachloroethene	10.610	164	78407m	0.921	ppbv	
53) Toluene	9.214	91	222799	0.898	ppbv	99
54) 1,2-Dibromoethane	9.996	107	95868m	0.951	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.504	131	104250	0.999	ppbv #	1
57) Chlorobenzene	11.516	112	196171	1.033	ppbv	98
58) Ethyl Benzene	12.082	91	282426	0.949	ppbv	91
59) m/p-Xylene	12.365	91	526522m	1.987	ppbv	
60) o-Xylene	13.053	91	255299	1.009	ppbv	99
61) Styrene	12.889	104	112002	0.822	ppbv	96
62) Isopropylbenzene	14.021	105	381040	1.001	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	103966m	1.030	ppbv	
64) n-propylbenzene	14.909	120	90414	0.927	ppbv	85
65) tert-Butylbenzene	16.082	119	335241	0.997	ppbv	96
66) Benzyl Chloride	16.320	91	20486m	0.765	ppbv	
67) sec-Butylbenzene	16.629	105	462529	0.980	ppbv	100
69) p-Isopropyltoluene	16.982	119	369632	0.953	ppbv	98
70) n-Butylbenzene	17.879	91	344097	0.905	ppbv	98
71) 2-Chlorotoluene	14.790	91	263836	0.960	ppbv	97
72) 4-Ethyltoluene	15.182	105	267924	0.927	ppbv	96
73) 1,3,5-Trimethylbenzene	15.339	105	264455m	1.000	ppbv	
74) 1,2,4-Trimethylbenzene	16.095	105	290833	0.982	ppbv	95
75) 1,3-Dichlorobenzene	16.320	146	171679m	0.971	ppbv	
76) 1,4-Dichlorobenzene	16.462	146	172356m	0.975	ppbv	
77) 1,2-Dichlorobenzene	17.137	146	174532m	1.012	ppbv	
78) Hexachloro-1,3-Butadiene	22.622	225	135404m	1.028	ppbv	
79) Naphthalene	21.375	128	174988m	0.895	ppbv	
80) Naphthalene,2-methyl-	24.374	142	24996	0.340	ppbv	89
81) 1,2,4-Trichlorobenzene	21.127	180	109429m	0.852	ppbv	

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

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