

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110322\
 Data File : VL039821.D
 Acq On : 3 Nov 2022 11:47
 Operator : SY/AP
 Sample : VL1103ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1103ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/04/2022
 Supervised By : Mahesh Dadoda 11/04/2022

Quant Time: Nov 04 08:43:03 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110222AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2022

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1057826	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2925647	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2947109m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.754 95 2115679 9.591 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.742	85	1621520	9.080	ppbv	99
3) Chlorodifluoromethane	2.687	51	1126557	8.933	ppbv	99
4) Chloromethane	2.822	50	702790	8.950	ppbv	99
5) Vinyl Chloride	2.928	62	595489	9.367	ppbv	98
6) Bromomethane	3.131	94	203064	8.955	ppbv	98
7) Chloroethane	3.205	64	204677	8.592	ppbv	98
8) Dichlorotetrafluoroethane	2.867	85	1342228	8.819	ppbv	100
9) Propene	2.706	41	566043	8.615	ppbv	100
10) Heptane	7.561	43	1400193	8.895	ppbv	100
11) Trichlorofluoromethane	3.568	101	1332057	9.145	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.070	101	963248	9.157	ppbv	99
13) Ethanol	3.253	45	39804m	8.571	ppbv	
14) Bromoethene	3.372	108	417818	8.870	ppbv	98
15) Acetone	3.475	43	961706	7.469	ppbv	98
16) 1,3-Butadiene	2.993	39	557827	9.316	ppbv	95
17) tert-Butyl alcohol	3.880	59	1053094	8.588	ppbv	99
18) 1,1-Dichloroethene	3.883	96	451600	9.363	ppbv	99
19) Isopropyl Alcohol	3.581	45	537916	8.441	ppbv #	31
20) Methylene Chloride	3.938	84	375347	8.148	ppbv	93
21) Allyl Chloride	3.999	41	735352	9.029	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	468007	9.560	ppbv	93
23) Vinyl Acetate	4.623	43	432483	8.431	ppbv	99
24) 1,1-Dichloroethane	4.562	63	944596	9.015	ppbv	99
25) Ethyl Acetate	5.201	43	2362732	8.909	ppbv	100
26) Hexane	5.208	57	1021576	8.639	ppbv	99
27) Carbon Disulfide	4.124	76	1186240	9.553	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	928586	8.676	ppbv	100
29) Chloroform	5.269	83	1561237	9.389	ppbv	100
30) Cyclohexane	6.590	84	893226	9.033	ppbv	98
31) cis-1,2-Dichloroethene	5.073	61	1001086	9.284	ppbv	94
32) 1,1,1-Trichloroethane	5.996	97	1587307	9.589	ppbv	99
34) 2-Butanone	4.783	43	1079286	8.942	ppbv	100
35) Carbon Tetrachloride	6.481	117	1636069	9.594	ppbv	97
36) Benzene	6.359	78	2247688	9.108	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1135395	9.589	ppbv	99
38) Trichloroethene	7.275	130	1196334	9.056	ppbv	98
39) 1,2-Dichloropropane	7.057	63	856718	8.910	ppbv	97
40) 1,4-Dioxane	7.272	88	346049	9.398	ppbv	98
41) Tetrahydrofuran	5.549	42	912183	9.043	ppbv	99
42) Bromodichloromethane	7.234	83	1742973	9.216	ppbv	100
43) Methyl Methacrylate	7.462	69	909827	9.328	ppbv	98
44) 2,2,4-Trimethylpentane	7.314	57	3678116	8.830	ppbv	100
45) t-1,3-Dichloropropene	8.693	75	904700	9.683	ppbv	100

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

QLast Update : Thu Nov 03 09:27:12 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.127	75	1205722	9.455	ppbv	99
47) 1,1,2-Trichloroethane	8.880	97	893469	9.176	ppbv	98
48) Dibromochloromethane	9.687	129	1521212	9.169	ppbv	99
49) Bromoform	12.384	173	1159389	8.694	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2288076	9.260	ppbv	100
51) 2-Hexanone	9.536	43	1801514	9.350	ppbv	98
52) Tetrachloroethene	10.597	164	764784	8.271	ppbv	94
53) Toluene	9.204	91	2550218	9.008	ppbv	99
54) 1,2-Dibromoethane	9.986	107	1039159	9.617	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.484	131	1052069	8.350	ppbv	98
57) Chlorobenzene	11.507	112	1879268	8.407	ppbv	99
58) Ethyl Benzene	12.066	91	3326552	8.348	ppbv	99
59) m/p-Xylene	12.352	91	5397514m	16.227	ppbv	
60) o-Xylene	13.040	91	2575370	8.172	ppbv	99
61) Styrene	12.880	104	1635385	8.433	ppbv	100
62) Isopropylbenzene	14.011	105	3676461	7.997	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.027	83	887723	7.564	ppbv	100
64) n-propylbenzene	14.899	120	966128	7.856	ppbv	94
65) tert-Butylbenzene	16.069	119	3077312	7.624	ppbv	100
66) Benzyl Chloride	16.307	91	324866	6.922	ppbv	99
67) sec-Butylbenzene	16.616	105	4281335	7.792	ppbv	99
69) p-Isopropyltoluene	16.976	119	3495850	7.671	ppbv	99
70) n-Butylbenzene	17.867	91	3497765	7.939	ppbv	99
71) 2-Chlorotoluene	14.780	91	2733188	7.913	ppbv	100
72) 4-Ethyltoluene	15.175	105	2905710	8.188	ppbv	98
73) 1,3,5-Trimethylbenzene	15.330	105	2547780	8.099	ppbv	97
74) 1,2,4-Trimethylbenzene	16.092	105	2643789	7.910	ppbv #	92
75) 1,3-Dichlorobenzene	16.307	146	1519213	7.785	ppbv	99
76) 1,4-Dichlorobenzene	16.452	146	1478162	7.719	ppbv	98
77) 1,2-Dichlorobenzene	17.121	146	1421753	7.728	ppbv	99
78) Hexachloro-1,3-Butadiene	22.609	225	997839	7.321	ppbv	98
79) Naphthalene	21.362	128	2232685	9.188	ppbv	98
80) Naphthalene,2-methyl-	24.365	142	785125	7.621	ppbv	98
81) 1,2,4-Trichlorobenzene	21.120	180	1151169	8.469	ppbv	100

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

