

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121124\
 Data File : VL041729.D
 Acq On : 11 Dec 2024 19:59
 Operator : SY/MD
 Sample : VL1211ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1211ABS01

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/13/2024
 Supervised By :Semsettin Yesilyurt 12/13/2024

Quant Time: Dec 12 05:59:22 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121124AIR.M

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

QLast Update : Thu Dec 12 05:50:25 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.793	49	276985	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	1370687	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	1215319	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 810267 10.142 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.400%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.502	85	607675	12.500	ppbv	99
3) Chlorodifluoromethane	1.479	51	355491	9.428	ppbv	99
4) Chloromethane	1.537	50	172082	13.338	ppbv	97
5) Vinyl Chloride	1.583	62	209563	13.262	ppbv	97
6) Bromomethane	1.673	94	140918	13.598	ppbv	98
7) Chloroethane	1.709	64	87371	12.710	ppbv	98
8) Dichlorotetrafluoroethane	1.557	85	552870	13.947	ppbv	96
9) Propene	1.486	41	152107	9.460	ppbv	99
10) Heptane	4.997	43	432681	9.734	ppbv	98
11) Trichlorofluoromethane	1.884	101	674968	12.057	ppbv	100
12) 1,1,2-Trichlorotrifluo...	2.146	101	588324	11.672	ppbv	97
13) Ethanol	1.725	45	8608	6.473	ppbv	99
14) Bromoethene	1.787	108	241258	13.059	ppbv	98
15) Acetone	1.838	43	296551	9.273	ppbv	97
16) 1,3-Butadiene	1.612	39	133759	12.469	ppbv	95
17) tert-Butyl alcohol	2.039	59	517172	11.155	ppbv	100
18) 1,1-Dichloroethene	2.729	96	370844	9.883	ppbv	99
19) Isopropyl Alcohol	1.887	45	203788	6.709	ppbv	93
20) Methylene Chloride	2.065	84	213067	10.999	ppbv	98
21) Allyl Chloride	2.101	41	212697	11.812	ppbv	97
22) trans-1,2-Dichloroethene	2.039	96	274291	11.977	ppbv	93
23) Vinyl Acetate	2.466	43	173465	8.958	ppbv	99
24) 1,1-Dichloroethane	2.415	63	423476	11.759	ppbv	100
25) Ethyl Acetate	4.997	43	432681	9.734	ppbv #	99
26) Hexane	2.835	57	423888	9.833	ppbv	99
27) Carbon Disulfide	2.156	76	561942	12.661	ppbv	99
28) Methyl tert-Butyl Ether	2.444	73	360078	11.129	ppbv	99
29) Chloroform	2.855	83	637273	9.657	ppbv	98
30) Cyclohexane	3.871	84	475663	9.819	ppbv	99
31) cis-1,2-Dichloroethene	2.039	61	359406	11.473	ppbv	93
32) 1,1,1-Trichloroethane	3.379	97	636313	9.805	ppbv	100
34) 2-Butanone	2.560	43	444955	9.271	ppbv	99
35) Carbon Tetrachloride	3.774	117	666667	10.443	ppbv	99
36) Benzene	3.667	78	1041710	9.666	ppbv	99
37) 1,2-Dichloroethane	3.227	62	378534	9.723	ppbv	100
38) Trichloroethene	4.564	130	549621	9.834	ppbv	99
39) 1,2-Dichloropropane	4.327	63	341075	9.932	ppbv	100
40) 1,4-Dioxane	4.593	88	204451	9.867	ppbv #	98
41) Tetrahydrofuran	3.059	42	283998	9.820	ppbv	100
42) Bromodichloromethane	4.502	83	654288	10.410	ppbv	99
43) Methyl Methacrylate	4.894	69	390101	10.049	ppbv	100
44) 2,2,4-Trimethylpentane	4.658	57	1449083	9.660	ppbv	100
45) t-1,3-Dichloropropene	5.616	75	509777	10.140	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	6.431	75	376545	9.933	ppbv	100
47) 1,1,2-Trichloroethane	6.596	97	439625	9.614	ppbv	99
48) Dibromochloromethane	7.402	129	690484	10.480	ppbv	100
49) Bromoform	9.500	173	688600	10.924	ppbv	100
50) 4-Methyl-2-Pentanone	5.768	43	664389	9.651	ppbv	100
51) 2-Hexanone	7.451	43	532899	9.412	ppbv	100
52) Tetrachloroethene	8.241	164	540870	9.472	ppbv	99
53) Toluene	6.949	91	1278695	9.655	ppbv	100
54) 1,2-Dibromoethane	7.668	107	615324	9.844	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.940	131	575738	10.189	ppbv	100
57) Chlorobenzene	8.936	112	1073978	9.711	ppbv	99
58) Ethyl Benzene	9.370	91	1594758	9.806	ppbv	99
59) m/p-Xylene	9.568	91	2444922m	19.622	ppbv	
60) o-Xylene	9.979	91	1225178	9.915	ppbv	100
61) Styrene	9.885	104	712217	10.442	ppbv	100
62) Isopropylbenzene	10.555	105	1976292	9.695	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.975	83	784338	9.810	ppbv	100
64) n-propylbenzene	11.001	120	600809	10.011	ppbv	100
65) tert-Butylbenzene	11.545	119	1864233	9.648	ppbv	100
66) Benzyl Chloride	10.914	91	1358521	9.804	ppbv	100
67) sec-Butylbenzene	11.781	105	2386481	9.541	ppbv	100
69) p-Isopropyltoluene	11.940	119	2122932	9.840	ppbv	100
70) n-Butylbenzene	12.296	91	1792214	10.011	ppbv	100
71) 2-Chlorotoluene	10.914	91	1358521	9.804	ppbv	99
72) 4-Ethyltoluene	11.137	105	1599009	10.022	ppbv	100
73) 1,3,5-Trimethylbenzene	11.218	105	1309526	10.145	ppbv	97
74) 1,2,4-Trimethylbenzene	11.552	105	1429765	10.189	ppbv	99
75) 1,3-Dichlorobenzene	11.620	146	1096845	9.781	ppbv	100
76) 1,4-Dichlorobenzene	11.684	146	1097087	9.905	ppbv	99
77) 1,2-Dichlorobenzene	11.959	146	1031886	9.718	ppbv	100
78) Hexachloro-1,3-Butadiene	13.895	225	784160	8.984	ppbv	100
79) Naphthalene	13.526	128	1313782	10.938	ppbv	100
80) Naphthalene,2-methyl-	14.474	142	745365	17.152	ppbv	100
81) 1,2,4-Trichlorobenzene	13.455	180	786475	10.400	ppbv	100

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

