

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080124\
 Data File : VL041471.D
 Acq On : 1 Aug 2024 9:58
 Operator : SY/MD
 Sample : VL0801ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/02/2024
 Supervised By : Mahesh Dadoda 08/03/2024

Quant Time: Aug 02 04:10:24 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Fri Aug 02 03:13:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	976119	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2660235	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2667155	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2012718 9.806 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.729	85	1324673	7.888	ppbv	99
3) Chlorodifluoromethane	2.674	51	1214698	10.453	ppbv	100
4) Chloromethane	2.812	50	650317	10.522	ppbv	100
5) Vinyl Chloride	2.919	62	634952	10.423	ppbv	98
6) Bromomethane	3.118	94	346663	11.072	ppbv	99
7) Chloroethane	3.195	64	224486	10.677	ppbv	93
8) Dichlorotetrafluoroethane	2.857	85	1555042	10.451	ppbv	98
9) Propene	2.694	41	557155	10.437	ppbv	98
10) Heptane	7.581	43	1353231	11.283	ppbv	100
11) Trichlorofluoromethane	3.562	101	1533466	10.282	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1102395	10.265	ppbv	100
13) Ethanol	3.243	45	40979m	8.589	ppbv	
14) Bromoethene	3.366	108	457062	10.917	ppbv	100
15) Acetone	3.465	43	1133327	10.219	ppbv	99
16) 1,3-Butadiene	2.986	39	637961	10.766	ppbv	98
17) tert-Butyl alcohol	3.874	59	1145955	11.329	ppbv	100
18) 1,1-Dichloroethene	3.880	96	501034	10.907	ppbv	100
19) Isopropyl Alcohol	3.575	45	724747	11.178	ppbv	100
20) Methylene Chloride	3.931	84	415315	10.042	ppbv	97
21) Allyl Chloride	3.996	41	786277	10.810	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	465766	10.140	ppbv	99
23) Vinyl Acetate	4.623	43	995171	11.749	ppbv	99
24) 1,1-Dichloroethane	4.562	63	1055455	10.583	ppbv	99
25) Ethyl Acetate	5.201	43	2414683	10.959	ppbv	99
26) Hexane	5.211	57	995901	10.896	ppbv	99
27) Carbon Disulfide	4.121	76	1163264	10.879	ppbv	98
28) Methyl tert-Butyl Ether	4.584	73	605123	10.498	ppbv	99
29) Chloroform	5.272	83	1587523	10.649	ppbv	97
30) Cyclohexane	6.603	84	873879	11.741	ppbv	97
31) cis-1,2-Dichloroethene	5.076	61	980793	10.862	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1543296	10.635	ppbv	100
34) 2-Butanone	4.783	43	1433071	11.136	ppbv	100
35) Carbon Tetrachloride	6.491	117	1626913	11.088	ppbv	100
36) Benzene	6.369	78	2139510	11.007	ppbv	100
37) 1,2-Dichloroethane	5.806	62	1220445	11.218	ppbv	100
38) Trichloroethene	7.291	130	995894	11.183	ppbv	99
39) 1,2-Dichloropropane	7.073	63	820518	11.026	ppbv	97
40) 1,4-Dioxane	7.282	88	361174	12.081	ppbv	96
41) Tetrahydrofuran	5.555	42	859495	11.678	ppbv	99
42) Bromodichloromethane	7.250	83	1731081	11.019	ppbv	98
43) Methyl Methacrylate	7.471	69	857698	12.305	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	3593291	11.068	ppbv	99
45) t-1,3-Dichloropropene	8.709	75	860115	13.406	ppbv	95

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1161186	12.534	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	902744	11.005	ppbv	95
48) Dibromochloromethane	9.709	129	1500596	11.355	ppbv	100
49) Bromoform	12.404	173	1308273	11.720	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2400544	11.824	ppbv	100
51) 2-Hexanone	9.549	43	1947631	12.686	ppbv #	100
52) Tetrachloroethene	10.616	164	830394	11.056	ppbv	99
53) Toluene	9.221	91	2531340	11.691	ppbv	100
54) 1,2-Dibromoethane	10.008	107	1293556	11.847	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.507	131	1097354	10.609	ppbv #	57
57) Chlorobenzene	11.526	112	1965853	10.352	ppbv	98
58) Ethyl Benzene	12.089	91	3402414	11.068	ppbv	98
59) m/p-Xylene	12.372	91	5814942m	21.912	ppbv	
60) o-Xylene	13.056	91	2781518	11.080	ppbv	99
61) Styrene	12.896	104	1385973	12.238	ppbv	98
62) Isopropylbenzene	14.027	105	4045584	10.601	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1687158	10.643	ppbv	100
64) n-propylbenzene	14.915	120	1088859	10.913	ppbv	97
65) tert-Butylbenzene	16.088	119	3657397	10.610	ppbv	99
66) Benzyl Chloride	16.323	91	288309	13.040	ppbv	99
67) sec-Butylbenzene	16.635	105	5102891	10.745	ppbv	100
69) p-Isopropyltoluene	16.992	119	4310721	10.938	ppbv	100
70) n-Butylbenzene	17.883	91	4453598	11.023	ppbv	100
71) 2-Chlorotoluene	14.799	91	3064012	10.887	ppbv	99
72) 4-Ethyltoluene	15.191	105	3354707	11.351	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	2871028	11.276	ppbv	98
74) 1,2,4-Trimethylbenzene	16.108	105	3203510	10.822	ppbv	97
75) 1,3-Dichlorobenzene	16.330	146	1982586	10.655	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1933139	10.729	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1939024	10.512	ppbv	100
78) Hexachloro-1,3-Butadiene	22.632	225	1474446	9.373	ppbv	99
79) Naphthalene	21.378	128	3289970	12.592	ppbv	100
80) Naphthalene,2-methyl-	24.371	142	2972862	13.574	ppbv	99
81) 1,2,4-Trichlorobenzene	21.137	180	1724543	11.092	ppbv	99

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

