

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040421.D
 Acq On : 12 May 2023 16:48
 Operator : SY/MD
 Sample : VL0512ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABS01

Quant Time: May 15 00:42:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 05/16/2023
 Supervised By : Mahesh Dadoda 05/16/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	1047022	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2630229	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2580965	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2019916	9.464	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.713	85	1937899	10.265	ppbv	98
3) Chlorodifluoromethane	2.658	51	1263609	9.236	ppbv	99
4) Chloromethane	2.796	50	805191	9.316	ppbv	99
5) Vinyl Chloride	2.902	62	691853	9.698	ppbv	98
6) Bromomethane	3.102	94	217461	9.252	ppbv	100
7) Chloroethane	3.182	64	249416	9.233	ppbv	96
8) Dichlorotetrafluoroethane	2.838	85	1746550	9.467	ppbv	98
9) Propene	2.677	41	505761	9.357	ppbv	99
10) Heptane	7.577	43	1284496	10.457	ppbv	100
11) Trichlorofluoromethane	3.549	101	1786690	9.349	ppbv	100
12) 1,1,2-Trichlorotrifluoro...	4.054	101	1266049	9.472	ppbv	100
13) Ethanol	3.230	45	40682m	9.016	ppbv	
14) Bromoethene	3.349	108	535435	9.797	ppbv	100
15) Acetone	3.452	43	1293426	8.722	ppbv	99
16) 1,3-Butadiene	2.967	39	611507	9.964	ppbv	99
17) tert-Butyl alcohol	3.861	59	1281731	9.412	ppbv	100
18) 1,1-Dichloroethene	3.867	96	580025	9.622	ppbv	93
19) Isopropyl Alcohol	3.558	45	603322	8.916	ppbv	100
20) Methylene Chloride	3.918	84	505072	8.531	ppbv	98
21) Allyl Chloride	3.983	41	819396	9.724	ppbv	99
22) trans-1,2-Dichloroethene	4.433	96	570463	9.466	ppbv	99
23) Vinyl Acetate	4.616	43	362168	9.592	ppbv #	97
24) 1,1-Dichloroethane	4.552	63	1183087	9.415	ppbv	100
25) Ethyl Acetate	5.195	43	2440559	9.780	ppbv	100
26) Hexane	5.201	57	1030085	9.792	ppbv	100
27) Carbon Disulfide	4.111	76	1427563	10.486	ppbv	99
28) Methyl tert-Butyl Ether	4.574	73	1046757	9.639	ppbv	99
29) Chloroform	5.266	83	1796065	9.584	ppbv	97
30) Cyclohexane	6.594	84	856880	10.517	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	1065814	10.222	ppbv	99
32) 1,1,1-Trichloroethane	5.996	97	1835541	10.081	ppbv	99
34) 2-Butanone	4.774	43	1443367	10.177	ppbv	99
35) Carbon Tetrachloride	6.488	117	1867170	10.085	ppbv	99
36) Benzene	6.365	78	2160939	10.070	ppbv	100
37) 1,2-Dichloroethane	5.799	62	1408072	9.989	ppbv	100
38) Trichloroethene	7.288	130	1327073	10.866	ppbv	99
39) 1,2-Dichloropropane	7.069	63	833056	9.866	ppbv	97
40) 1,4-Dioxane	7.282	88	316009	9.772	ppbv #	99
41) Tetrahydrofuran	5.545	42	822812	10.593	ppbv	99
42) Bromodichloromethane	7.246	83	1984809	10.311	ppbv	99
43) Methyl Methacrylate	7.471	69	880993	11.053	ppbv	100
44) 2,2,4-Trimethylpentane	7.323	57	3585864	10.004	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	863220	12.125	ppbv	96

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

QLast Update : Thu Apr 13 14:37:02 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.140	75	1163728	11.743	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	922229	9.962	ppbv	98
48) Dibromochloromethane	9.712	129	1611050	10.805	ppbv	100
49) Bromoform	12.410	173	1303472	11.209	ppbv	99
50) 4-Methyl-2-Pentanone	8.176	43	2246270	10.445	ppbv	99
51) 2-Hexanone	9.548	43	1748256	11.002	ppbv	99
52) Tetrachloroethene	10.616	164	741133	11.041	ppbv	97
53) Toluene	9.221	91	2484521	10.921	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1037085	11.049	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	1160748	9.853	ppbv	96
57) Chlorobenzene	11.529	112	1943794	9.619	ppbv	99
58) Ethyl Benzene	12.089	91	3464273	10.911	ppbv	98
59) m/p-Xylene	12.378	91	6037439m	20.678	ppbv	
60) o-Xylene	13.060	91	2939307	10.489	ppbv	100
61) Styrene	12.902	104	1671865	11.911	ppbv	99
62) Isopropylbenzene	14.034	105	4086516	10.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	918542	8.957	ppbv	100
64) n-propylbenzene	14.921	120	1044091	10.515	ppbv	98
65) tert-Butylbenzene	16.095	119	3583572	10.093	ppbv	99
66) Benzyl Chloride	16.333	91	245103	11.150	ppbv	100
67) sec-Butylbenzene	16.641	105	5114662	10.029	ppbv	99
69) p-Isopropyltoluene	17.002	119	4097978	10.291	ppbv	99
70) n-Butylbenzene	17.889	91	4480932	10.151	ppbv	100
71) 2-Chlorotoluene	14.806	91	3182125	10.271	ppbv	99
72) 4-Ethyltoluene	15.198	105	3352119	10.836	ppbv	99
73) 1,3,5-Trimethylbenzene	15.355	105	2991238	10.468	ppbv	97
74) 1,2,4-Trimethylbenzene	16.111	105	3306834	10.125	ppbv	99
75) 1,3-Dichlorobenzene	16.336	146	1791467	10.014	ppbv	99
76) 1,4-Dichlorobenzene	16.477	146	1752681	9.916	ppbv	99
77) 1,2-Dichlorobenzene	17.149	146	1711462	9.675	ppbv	99
78) Hexachloro-1,3-Butadiene	22.641	225	1306075	9.210	ppbv	100
79) Naphthalene	21.387	128	2739215	12.425	ppbv	99
80) Naphthalene,2-methyl-	24.377	142	840788	12.812	ppbv	98
81) 1,2,4-Trichlorobenzene	21.143	180	1437078	10.607	ppbv	98

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

