

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011524\
 Data File : VL040966.D
 Acq On : 15 Jan 2024 12:21
 Operator : SY/MD
 Sample : VL0115ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0115ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/16/2024
 Supervised By :Mahesh Dadoda 01/16/2024

Quant Time: Jan 16 03:33:48 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M

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

QLast Update : Tue Jan 16 03:31:29 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.185	49	1038437	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2936616	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2837821m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.757 95 2012494 9.628 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1952706	9.872	ppbv	99
3) Chlorodifluoromethane	2.681	51	1803173	11.539	ppbv	100
4) Chloromethane	2.816	50	669471	11.619	ppbv	96
5) Vinyl Chloride	2.922	62	694608	12.488	ppbv	99
6) Bromomethane	3.121	94	300621	12.183	ppbv	93
7) Chloroethane	3.198	64	239994	12.103	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1737563	12.192	ppbv	98
9) Propene	2.700	41	605922	11.751	ppbv	97
10) Heptane	7.568	43	1509182	11.775	ppbv	99
11) Trichlorofluoromethane	3.562	101	1905879	12.325	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.063	101	1378169	11.476	ppbv	98
13) Ethanol	3.240	45	149326	11.480	ppbv	98
14) Bromoethene	3.365	108	545070	12.384	ppbv	99
15) Acetone	3.468	43	1285388	10.321	ppbv	100
16) 1,3-Butadiene	2.989	39	672671	12.544	ppbv	97
17) tert-Butyl alcohol	3.877	59	1284476	13.942	ppbv	99
18) 1,1-Dichloroethene	3.877	96	602334	12.148	ppbv	95
19) Isopropyl Alcohol	3.574	45	866514	13.334	ppbv	99
20) Methylene Chloride	3.931	84	511067	11.512	ppbv	99
21) Allyl Chloride	3.996	41	884239	12.011	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	640198	11.323	ppbv	99
23) Vinyl Acetate	4.619	43	1555527	11.322	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1274568	10.371	ppbv	99
25) Ethyl Acetate	5.195	43	2225979	10.315	ppbv	99
26) Hexane	5.205	57	969157	10.133	ppbv	99
27) Carbon Disulfide	4.121	76	1539129	11.891	ppbv	97
28) Methyl tert-Butyl Ether	4.581	73	926743	10.442	ppbv	100
29) Chloroform	5.269	83	1507029	9.337	ppbv	99
30) Cyclohexane	6.594	84	934482	11.720	ppbv	99
31) cis-1,2-Dichloroethene	5.073	61	981771	9.993	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1858458	11.910	ppbv	99
34) 2-Butanone	4.780	43	1402079	9.026	ppbv	100
35) Carbon Tetrachloride	6.484	117	2003268	10.893	ppbv	99
36) Benzene	6.362	78	2337905	10.184	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1448905	10.533	ppbv	100
38) Trichloroethene	7.282	130	902959	10.473	ppbv	98
39) 1,2-Dichloropropane	7.060	63	930853	10.318	ppbv	97
40) 1,4-Dioxane	7.272	88	391111	10.268	ppbv	92
41) Tetrahydrofuran	5.549	42	968084	10.243	ppbv	99
42) Bromodichloromethane	7.240	83	2101204	10.591	ppbv	100
43) Methyl Methacrylate	7.462	69	979750	10.881	ppbv	97
44) 2,2,4-Trimethylpentane	7.314	57	3938104	10.099	ppbv	100
45) t-1,3-Dichloropropene	8.696	75	838991	12.559	ppbv	98

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.131	75	988655	11.953	ppbv	100
47) 1,1,2-Trichloroethane	8.886	97	992387	10.371	ppbv	98
48) Dibromochloromethane	9.696	129	1781516	10.906	ppbv	99
49) Bromoform	12.394	173	1425619	11.311	ppbv	99
50) 4-Methyl-2-Pentanone	8.166	43	2503919	10.643	ppbv	98
51) 2-Hexanone	9.536	43	1864896	11.013	ppbv #	100
52) Tetrachloroethene	10.600	164	814644	10.534	ppbv	98
53) Toluene	9.208	91	2676846	10.516	ppbv	99
54) 1,2-Dibromoethane	9.992	107	1465966	11.163	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.491	131	1269198	10.227	ppbv	99
57) Chlorobenzene	11.513	112	2083177	9.968	ppbv	98
58) Ethyl Benzene	12.073	91	3683707	10.106	ppbv	100
59) m/p-Xylene	12.359	91	6236621m	20.116	ppbv	
60) o-Xylene	13.040	91	2975465	10.186	ppbv	100
61) Styrene	12.883	104	1530451	11.021	ppbv	99
62) Isopropylbenzene	14.011	105	4340264	10.019	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.031	83	2174802	10.334	ppbv	99
64) n-propylbenzene	14.902	120	1140212	10.493	ppbv	100
65) tert-Butylbenzene	16.076	119	3831567	10.405	ppbv	100
66) Benzyl Chloride	16.310	91	326715	12.966	ppbv	97
67) sec-Butylbenzene	16.619	105	5384261	10.061	ppbv	100
69) p-Isopropyltoluene	16.976	119	4381943	10.535	ppbv	99
70) n-Butylbenzene	17.866	91	4659131	10.789	ppbv	100
71) 2-Chlorotoluene	14.783	91	3410650	10.223	ppbv	99
72) 4-Ethyltoluene	15.175	105	3470797	10.826	ppbv	99
73) 1,3,5-Trimethylbenzene	15.333	105	2972022	10.740	ppbv	100
74) 1,2,4-Trimethylbenzene	16.092	105	3270706	10.620	ppbv	95
75) 1,3-Dichlorobenzene	16.314	146	1883582	10.707	ppbv	100
76) 1,4-Dichlorobenzene	16.455	146	1819810	10.575	ppbv	99
77) 1,2-Dichlorobenzene	17.124	146	1789806	10.561	ppbv	99
78) Hexachloro-1,3-Butadiene	22.612	225	982779	9.429	ppbv	100
79) Naphthalene	21.362	128	2248858	15.155	ppbv	97
80) Naphthalene,2-methyl-	24.358	142	399365	14.725	ppbv	95
81) 1,2,4-Trichlorobenzene	21.120	180	1117783	13.121	ppbv	99

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

