

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041505.D
 Acq On : 8 Aug 2024 9:39
 Operator : SY/MD
 Sample : VL0808ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0808ABS01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/09/2024
 Supervised By :Mahesh Dadoda 08/09/2024

Quant Time: Aug 09 05:52:05 2024

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 9 2024

QLast Update : Tue Aug 06 01:32:58 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1036737	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2818389	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2683034m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2015008 9.759 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 97.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.713	85	1963731	11.010	ppbv	99
3) Chlorodifluoromethane	2.658	51	1212326	9.823	ppbv	100
4) Chloromethane	2.796	50	644382	9.816	ppbv	98
5) Vinyl Chloride	2.903	62	657040	10.155	ppbv	98
6) Bromomethane	3.102	94	339523	10.210	ppbv	99
7) Chloroethane	3.179	64	225482	10.098	ppbv	97
8) Dichlorotetrafluoroethane	2.838	85	1585053	10.030	ppbv	97
9) Propene	2.677	41	537992	9.489	ppbv	99
10) Heptane	7.568	43	1358204	10.662	ppbv	100
11) Trichlorofluoromethane	3.546	101	1546989	9.767	ppbv	95
12) 1,1,2-Trichlorotrifluo...	4.050	101	1124528	9.859	ppbv	100
13) Ethanol	3.227	45	37266m	7.354	ppbv	
14) Bromoethene	3.349	108	450359	10.128	ppbv	99
15) Acetone	3.449	43	1153082	9.789	ppbv	100
16) 1,3-Butadiene	2.967	39	640049	10.170	ppbv	99
17) tert-Butyl alcohol	3.861	59	1088370	10.131	ppbv	100
18) 1,1-Dichloroethene	3.864	96	507629	10.404	ppbv	97
19) Isopropyl Alcohol	3.558	45	649416	9.430	ppbv	99
20) Methylene Chloride	3.919	84	427017	9.721	ppbv	98
21) Allyl Chloride	3.980	41	810265	10.489	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	509292	10.440	ppbv	94
23) Vinyl Acetate	4.610	43	986430	10.965	ppbv	99
24) 1,1-Dichloroethane	4.549	63	1080436	10.200	ppbv	100
25) Ethyl Acetate	5.189	43	2438160	10.419	ppbv	99
26) Hexane	5.198	57	1007382	10.377	ppbv	99
27) Carbon Disulfide	4.108	76	1202786	10.591	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	606713	9.910	ppbv	99
29) Chloroform	5.259	83	1581303	9.987	ppbv	97
30) Cyclohexane	6.587	84	862757	10.914	ppbv	99
31) cis-1,2-Dichloroethene	5.063	61	990545	10.329	ppbv	98
32) 1,1,1-Trichloroethane	5.989	97	1549649	10.054	ppbv	100
34) 2-Butanone	4.771	43	1429326	10.484	ppbv	100
35) Carbon Tetrachloride	6.481	117	1616273	10.397	ppbv	99
36) Benzene	6.356	78	2135056	10.367	ppbv	99
37) 1,2-Dichloroethane	5.793	62	1194493	10.363	ppbv	100
38) Trichloroethene	7.282	130	997228	10.570	ppbv	98
39) 1,2-Dichloropropane	7.060	63	829487	10.521	ppbv	99
40) 1,4-Dioxane	7.279	88	298472	9.424	ppbv	63
41) Tetrahydrofuran	5.539	42	871664	11.179	ppbv	98
42) Bromodichloromethane	7.237	83	1721893	10.346	ppbv	100
43) Methyl Methacrylate	7.462	69	855545	11.585	ppbv	99
44) 2,2,4-Trimethylpentane	7.314	57	3603459	10.476	ppbv	100
45) t-1,3-Dichloropropene	8.700	75	870875	12.812	ppbv	100

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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	1170577	11.926	ppbv	96
47) 1,1,2-Trichloroethane	8.889	97	904470	10.407	ppbv	97
48) Dibromochloromethane	9.700	129	1493471	10.667	ppbv	100
49) Bromoform	12.397	173	1340539	11.335	ppbv	99
50) 4-Methyl-2-Pentanone	8.169	43	2404678	11.179	ppbv	100
51) 2-Hexanone	9.539	43	1961903	12.062	ppbv #	99
52) Tetrachloroethene	10.606	164	823642	10.351	ppbv	99
53) Toluene	9.208	91	2540535	11.075	ppbv	99
54) 1,2-Dibromoethane	9.999	107	1312754	11.348	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.497	131	1108511	10.653	ppbv #	55
57) Chlorobenzene	11.516	112	2003627	10.489	ppbv	98
58) Ethyl Benzene	12.079	91	3432326	11.099	ppbv	99
59) m/p-Xylene	12.362	91	5833651m	21.852	ppbv	
60) o-Xylene	13.050	91	2795768	11.071	ppbv	99
61) Styrene	12.886	104	1388008	12.183	ppbv	99
62) Isopropylbenzene	14.018	105	4075363	10.616	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	1721898	10.798	ppbv	99
64) n-propylbenzene	14.905	120	1081113	10.771	ppbv	96
65) tert-Butylbenzene	16.076	119	3634119	10.480	ppbv	99
66) Benzyl Chloride	16.314	91	279937	12.586	ppbv	99
67) sec-Butylbenzene	16.622	105	5112169	10.700	ppbv	100
69) p-Isopropyltoluene	16.986	119	4284866	10.808	ppbv	100
70) n-Butylbenzene	17.873	91	4407161	10.844	ppbv	100
71) 2-Chlorotoluene	14.790	91	3086845	10.903	ppbv	100
72) 4-Ethyltoluene	15.179	105	3389594	11.401	ppbv	99
73) 1,3,5-Trimethylbenzene	15.339	105	2867978	11.197	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	3189834	10.712	ppbv	98
75) 1,3-Dichlorobenzene	16.317	146	1987381	10.617	ppbv	100
76) 1,4-Dichlorobenzene	16.461	146	1946715	10.741	ppbv	100
77) 1,2-Dichlorobenzene	17.133	146	1931870	10.411	ppbv	100
78) Hexachloro-1,3-Butadiene	22.619	225	1457393	9.210	ppbv	99
79) Naphthalene	21.368	128	3214160	12.229	ppbv	100
80) Naphthalene,2-methyl-	24.361	142	2490096	11.302	ppbv	100
81) 1,2,4-Trichlorobenzene	21.124	180	1688779	10.797	ppbv	99

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

