

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041305.D
 Acq On : 4 Jun 2024 13:49
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL060424

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/05/2024
 Supervised By :Mahesh Dadoda 06/05/2024

Quant Time: Jun 05 06:37:09 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

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

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	1015400	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2631997	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2561904	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.770 95 1971809 9.969 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1421851	8.769	ppbv	99
3) Chlorodifluoromethane	2.700	51	1448097	9.024	ppbv	99
4) Chloromethane	2.838	50	547628	9.067	ppbv	99
5) Vinyl Chloride	2.944	62	574956	9.450	ppbv	99
6) Bromomethane	3.140	94	174584	8.070	ppbv	95
7) Chloroethane	3.218	64	197192	9.413	ppbv	100
8) Dichlorotetrafluoroethane	2.880	85	1360663	9.124	ppbv	99
9) Propene	2.719	41	508912	8.904	ppbv	98
10) Heptane	7.584	43	1273231	9.399	ppbv	99
11) Trichlorofluoromethane	3.581	101	1364364	9.153	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.082	101	973152	9.243	ppbv	99
13) Ethanol	3.259	45	113174	7.611	ppbv	91
14) Bromoethene	3.385	108	396818	9.312	ppbv	97
15) Acetone	3.488	43	1039582	8.967	ppbv	100
16) 1,3-Butadiene	3.009	39	559190	9.595	ppbv	98
17) tert-Butyl alcohol	3.893	59	1061332	9.943	ppbv	99
18) 1,1-Dichloroethene	3.896	96	434548	9.675	ppbv	94
19) Isopropyl Alcohol	3.591	45	761438	10.454	ppbv	100
20) Methylene Chloride	3.947	84	356452	8.459	ppbv	96
21) Allyl Chloride	4.012	41	694244	9.452	ppbv	100
22) trans-1,2-Dichloroethene	4.459	96	446755	9.545	ppbv	92
23) Vinyl Acetate	4.639	43	1223957	10.323	ppbv	99
24) 1,1-Dichloroethane	4.578	63	962576	9.229	ppbv	100
25) Ethyl Acetate	5.214	43	2135121	9.309	ppbv	99
26) Hexane	5.224	57	928772	9.005	ppbv	99
27) Carbon Disulfide	4.140	76	1151011	10.075	ppbv	99
28) Methyl tert-Butyl Ether	4.597	73	713582	9.335	ppbv	100
29) Chloroform	5.285	83	1450560	9.167	ppbv	100
30) Cyclohexane	6.606	84	782017	9.354	ppbv	99
31) cis-1,2-Dichloroethene	5.089	61	930400	9.546	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	1441315	9.616	ppbv	100
34) 2-Butanone	4.800	43	1300088	10.311	ppbv	100
35) Carbon Tetrachloride	6.500	117	1447189	9.674	ppbv	98
36) Benzene	6.378	78	1962676	9.621	ppbv	97
37) 1,2-Dichloroethane	5.816	62	1143570	9.615	ppbv	100
38) Trichloroethene	7.295	130	761534	9.211	ppbv	97
39) 1,2-Dichloropropane	7.079	63	758697	9.340	ppbv	98
40) 1,4-Dioxane	7.291	88	287404	9.661	ppbv #	1
41) Tetrahydrofuran	5.565	42	828663	10.100	ppbv	99
42) Bromodichloromethane	7.253	83	1633077	9.560	ppbv	98
43) Methyl Methacrylate	7.478	69	801217	10.308	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3296936	9.397	ppbv	100
45) t-1,3-Dichloropropene	8.713	75	510433	9.732	ppbv	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	643696	9.534	ppbv	97
47) 1,1,2-Trichloroethane	8.899	97	814471	9.595	ppbv	96
48) Dibromochloromethane	9.709	129	1375187	9.830	ppbv	100
49) Bromoform	12.404	173	1145558	10.161	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2050428	9.824	ppbv	99
51) 2-Hexanone	9.549	43	1511786	10.190	ppbv #	100
52) Tetrachloroethene	10.613	164	702946	9.449	ppbv	97
53) Toluene	9.221	91	2311268	9.850	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1075862	9.722	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.507	131	996773	9.199	ppbv	98
57) Chlorobenzene	11.523	112	1730359	9.093	ppbv	98
58) Ethyl Benzene	12.085	91	3105379	9.456	ppbv	96
59) m/p-Xylene	12.368	91	5241375m	18.629	ppbv	
60) o-Xylene	13.056	91	2478605	9.241	ppbv	99
61) Styrene	12.896	104	1320394	10.041	ppbv	100
62) Isopropylbenzene	14.027	105	3706746	9.138	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.040	83	1751798	9.180	ppbv	100
64) n-propylbenzene	14.912	120	967525	9.254	ppbv	96
65) tert-Butylbenzene	16.085	119	3271756	9.072	ppbv	99
66) Benzyl Chloride	16.323	91	175000m	7.375	ppbv	
67) sec-Butylbenzene	16.629	105	4669149	9.165	ppbv	100
69) p-Isopropyltoluene	16.989	119	3899363	9.287	ppbv	100
70) n-Butylbenzene	17.883	91	4114745	9.446	ppbv	100
71) 2-Chlorotoluene	14.796	91	2848803	9.176	ppbv	98
72) 4-Ethyltoluene	15.188	105	2916868	9.334	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2606164	9.609	ppbv	99
74) 1,2,4-Trimethylbenzene	16.105	105	2843405	9.270	ppbv	93
75) 1,3-Dichlorobenzene	16.326	146	1702142	9.453	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1674665	9.308	ppbv	100
77) 1,2-Dichlorobenzene	17.137	146	1672328	9.278	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1222869	8.278	ppbv	99
79) Naphthalene	21.374	128	2993179	11.246	ppbv	99
80) Naphthalene,2-methyl-	24.365	142	1029946	11.459	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1434830	9.668	ppbv #	99

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

