

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040424\
 Data File : VL041120.D
 Acq On : 4 Apr 2024 9:25
 Operator : SY/MD
 Sample : VSTDICCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/05/2024
 Supervised By : Mahesh Dadoda 04/05/2024

Quant Time: Apr 05 04:15:12 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Fri Apr 05 04:13:19 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.218	49	1494308	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	3786865	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.507	117	3687412m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.815 95 2944765 9.967 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	2311121	9.015	ppbv	100
3) Chlorodifluoromethane	2.681	51	2040868	8.867	ppbv	100
4) Chloromethane	2.819	50	774987	8.898	ppbv	100
5) Vinyl Chloride	2.928	62	798818	9.597	ppbv	100
6) Bromomethane	3.131	94	294741	9.307	ppbv	100
7) Chloroethane	3.208	64	289502	9.549	ppbv	100
8) Dichlorotetrafluoroethane	2.864	85	2008403	9.211	ppbv	100
9) Propene	2.700	41	659544	9.008	ppbv	100
10) Heptane	7.610	43	1721472	9.903	ppbv	100
11) Trichlorofluoromethane	3.578	101	2101528	9.066	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.083	101	1533864	9.143	ppbv	100
13) Ethanol	3.253	45	146439	8.587	ppbv	100
14) Bromoethene	3.378	108	626304	9.478	ppbv	100
15) Acetone	3.481	43	1409210	8.709	ppbv	100
16) 1,3-Butadiene	2.993	39	772941	9.732	ppbv	100
17) tert-Butyl alcohol	3.896	59	1408136	9.588	ppbv	100
18) 1,1-Dichloroethene	3.896	96	668362	9.331	ppbv	100
19) Isopropyl Alcohol	3.587	45	933947	9.395	ppbv	100
20) Methylene Chloride	3.947	84	572579	8.580	ppbv	100
21) Allyl Chloride	4.015	41	935924	9.493	ppbv	100
22) trans-1,2-Dichloroethene	4.465	96	694415	9.299	ppbv	100
23) Vinyl Acetate	4.648	43	1613130	9.609	ppbv	100
24) 1,1-Dichloroethane	4.584	63	1390524	9.246	ppbv	100
25) Ethyl Acetate	5.227	43	2854954	9.396	ppbv	100
26) Hexane	5.237	57	1238064	9.080	ppbv	100
27) Carbon Disulfide	4.140	76	1666524	10.067	ppbv	100
28) Methyl tert-Butyl Ether	4.607	73	980936	9.533	ppbv	100
29) Chloroform	5.301	83	2110456	9.182	ppbv	100
30) Cyclohexane	6.632	84	1060163	9.667	ppbv	100
31) cis-1,2-Dichloroethene	5.102	61	1239982	9.608	ppbv	100
32) 1,1,1-Trichloroethane	6.031	97	2099050	9.880	ppbv	100
34) 2-Butanone	4.806	43	1513588	9.254	ppbv	100
35) Carbon Tetrachloride	6.523	117	2227783	10.311	ppbv	100
36) Benzene	6.401	78	2671792	9.618	ppbv	100
37) 1,2-Dichloroethane	5.835	62	1601535	9.592	ppbv	100
38) Trichloroethene	7.324	130	1037172	10.288	ppbv	100
39) 1,2-Dichloropropane	7.105	63	1053865	9.558	ppbv	100
40) 1,4-Dioxane	7.317	88	366150	9.686	ppbv	100
41) Tetrahydrofuran	5.581	42	1073653	10.262	ppbv	100
42) Bromodichloromethane	7.282	83	2371906	9.943	ppbv	100
43) Methyl Methacrylate	7.504	69	1121188	11.619	ppbv	100
44) 2,2,4-Trimethylpentane	7.359	57	4479579	9.730	ppbv	100
45) t-1,3-Dichloropropene	8.745	75	706053	11.353	ppbv	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.179	75	872825	11.025	ppbv	100
47) 1,1,2-Trichloroethane	8.934	97	1139110	9.611	ppbv	100
48) Dibromochloromethane	9.748	129	1978281	10.516	ppbv	100
49) Bromoform	12.449	173	1586223	10.637	ppbv	100
50) 4-Methyl-2-Pentanone	8.214	43	2875816	10.247	ppbv	100
51) 2-Hexanone	9.584	43	2088602	10.734	ppbv	100
52) Tetrachloroethene	10.651	164	914607	10.270	ppbv	100
53) Toluene	9.259	91	3070494	10.450	ppbv	100
54) 1,2-Dibromoethane	10.047	107	1582198	10.712	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.545	131	1428791	9.474	ppbv	100
57) Chlorobenzene	11.565	112	2353541	9.430	ppbv	100
58) Ethyl Benzene	12.127	91	4131813	10.289	ppbv	100
59) m/p-Xylene	12.410	91	7176637m	19.771	ppbv	
60) o-Xylene	13.098	91	3430651	9.938	ppbv	100
61) Styrene	12.937	104	1713433	11.214	ppbv	100
62) Isopropylbenzene	14.066	105	4942195	9.644	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.085	83	2578383	9.464	ppbv	100
64) n-propylbenzene	14.953	120	1295769	10.100	ppbv	100
65) tert-Butylbenzene	16.130	119	4426369	9.888	ppbv	100
66) Benzyl Chloride	16.368	91	320179	10.853	ppbv	100
67) sec-Butylbenzene	16.674	105	6256972	9.693	ppbv	100
69) p-Isopropyltoluene	17.031	119	5092334	10.119	ppbv	100
70) n-Butylbenzene	17.921	91	5555768	10.136	ppbv	100
71) 2-Chlorotoluene	14.841	91	3874223	9.871	ppbv	100
72) 4-Ethyltoluene	15.233	105	3903021	10.248	ppbv	100
73) 1,3,5-Trimethylbenzene	15.391	105	3409771	10.064	ppbv	100
74) 1,2,4-Trimethylbenzene	16.146	105	3852236	9.867	ppbv	100
75) 1,3-Dichlorobenzene	16.371	146	2221164	9.806	ppbv	100
76) 1,4-Dichlorobenzene	16.513	146	2149783	9.743	ppbv	100
77) 1,2-Dichlorobenzene	17.178	146	2146629	9.750	ppbv	100
78) Hexachloro-1,3-Butadiene	22.677	225	1328860	9.088	ppbv	100
79) Naphthalene	21.429	128	3196420	13.033	ppbv	100
80) Naphthalene,2-methyl-	24.410	142	596556	13.879	ppbv	100
81) 1,2,4-Trichlorobenzene	21.182	180	1534915	10.862	ppbv	100

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

