

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042924\
 Data File : VL041185.D
 Acq On : 29 Apr 2024 15:27
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 04/30/2024
 Supervised By :Mahesh Dadoda 04/30/2024

Quant Time: Apr 30 05:10:15 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Tue Apr 30 05:04:57 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1010941	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2553423	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2479299	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1859911 9.933 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.726	85	1763749	12.622	ppbv	99
3) Chlorodifluoromethane	2.671	51	2094687	13.593	ppbv	100
4) Chloromethane	2.809	50	842868	13.743	ppbv	96
5) Vinyl Chloride	2.915	62	854657	14.368	ppbv	98
6) Bromomethane	3.115	94	317384	14.402	ppbv	99
7) Chloroethane	3.192	64	304774	14.124	ppbv	97
8) Dichlorotetrafluoroethane	2.851	85	1947145	13.789	ppbv	99
9) Propene	2.687	41	826073	13.738	ppbv	98
10) Heptane	7.578	43	1974760	13.717	ppbv	99
11) Trichlorofluoromethane	3.558	101	1983159	14.291	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1440302	13.892	ppbv	99
13) Ethanol	3.234	45	181363	13.965	ppbv	97
14) Bromoethene	3.362	108	610149	14.128	ppbv	99
15) Acetone	3.462	43	1508799	12.505	ppbv	100
16) 1,3-Butadiene	2.980	39	878166	14.643	ppbv	98
17) tert-Butyl alcohol	3.874	59	1808611	13.869	ppbv	100
18) 1,1-Dichloroethene	3.874	96	657860	13.832	ppbv	95
19) Isopropyl Alcohol	3.571	45	1097730	13.995	ppbv	93
20) Methylene Chloride	3.928	84	550060	13.131	ppbv	99
21) Allyl Chloride	3.993	41	1107963	14.096	ppbv	99
22) trans-1,2-Dichloroethene	4.439	96	696929	14.844	ppbv	97
23) Vinyl Acetate	4.623	43	1885044	14.164	ppbv #	98
24) 1,1-Dichloroethane	4.562	63	1427015	13.912	ppbv	100
25) Ethyl Acetate	5.202	43	3303603	13.959	ppbv	100
26) Hexane	5.211	57	1433687	13.688	ppbv	99
27) Carbon Disulfide	4.118	76	1767072	14.224	ppbv	98
28) Methyl tert-Butyl Ether	4.581	73	1186133	13.913	ppbv	99
29) Chloroform	5.272	83	2045758	13.994	ppbv	99
30) Cyclohexane	6.600	84	1188125	13.822	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1439577	14.353	ppbv	95
32) 1,1,1-Trichloroethane	6.002	97	2075136	14.146	ppbv	100
34) 2-Butanone	4.780	43	1960728	15.694	ppbv	99
35) Carbon Tetrachloride	6.491	117	2074346	14.315	ppbv	98
36) Benzene	6.369	78	2958417	13.771	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1612555	14.348	ppbv	100
38) Trichloroethene	7.291	130	1053069	12.985	ppbv	98
39) 1,2-Dichloropropane	7.073	63	1169402	14.091	ppbv	100
40) 1,4-Dioxane	7.282	88	412697	13.926	ppbv #	1
41) Tetrahydrofuran	5.552	42	1338175	14.487	ppbv	99
42) Bromodichloromethane	7.250	83	2332776	14.216	ppbv	98
43) Methyl Methacrylate	7.471	69	1226266	13.912	ppbv	98
44) 2,2,4-Trimethylpentane	7.327	57	4931627	13.262	ppbv	100
45) t-1,3-Dichloropropene	8.709	75	988714	15.321	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1134308	14.519	ppbv	96
47) 1,1,2-Trichloroethane	8.899	97	1162168	14.063	ppbv	97
48) Dibromochloromethane	9.713	129	1927348	14.421	ppbv	100
49) Bromoform	12.410	173	1678152	14.623	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	3147885	13.348	ppbv	98
51) 2-Hexanone	9.549	43	2360799	13.749	ppbv #	100
52) Tetrachloroethene	10.616	164	1029321	13.600	ppbv	98
53) Toluene	9.221	91	3409218	13.612	ppbv	99
54) 1,2-Dibromoethane	10.008	107	1620882	14.433	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	1375093	13.395	ppbv	98
57) Chlorobenzene	11.526	112	2422510	13.360	ppbv	99
58) Ethyl Benzene	12.089	91	4474063	13.102	ppbv	98
59) m/p-Xylene	12.375	91	7448725m	25.987	ppbv	
60) o-Xylene	13.060	91	3480523	12.934	ppbv	99
61) Styrene	12.899	104	1970709	14.026	ppbv	100
62) Isopropylbenzene	14.031	105	5187149	12.831	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	2473186	13.531	ppbv	100
64) n-propylbenzene	14.918	120	1370922	13.533	ppbv	95
65) tert-Butylbenzene	16.095	119	4489831	12.567	ppbv	100
66) Benzyl Chloride	16.326	91	600830	14.130	ppbv	100
67) sec-Butylbenzene	16.638	105	6361995	12.592	ppbv	99
69) p-Isopropyltoluene	16.995	119	5313366	12.685	ppbv	99
70) n-Butylbenzene	17.886	91	5597949	12.863	ppbv	100
71) 2-Chlorotoluene	14.802	91	4028510	13.043	ppbv	99
72) 4-Ethyltoluene	15.195	105	4185223	13.636	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3625525	13.028	ppbv	98
74) 1,2,4-Trimethylbenzene	16.111	105	3913118	12.918	ppbv	96
75) 1,3-Dichlorobenzene	16.333	146	2359672	13.841	ppbv	100
76) 1,4-Dichlorobenzene	16.474	146	2307974	13.898	ppbv	98
77) 1,2-Dichlorobenzene	17.143	146	2279101	13.231	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	1815132	11.855	ppbv	99
79) Naphthalene	21.384	128	4143713	14.429	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	1585680	13.118	ppbv	99
81) 1,2,4-Trichlorobenzene	21.140	180	2064487	13.452	ppbv	99

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

