

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041677.D
 Acq On : 7 Nov 2024 12:13
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Nov 08 00:11:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Nov 08 00:07:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/09/2024
 Supervised By :Semsettin Yesilyurt 11/09/2024

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

Internal Standards						
1) Bromochloromethane	5.189	49	1153970	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3232256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2900644	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.777	95	2213310	10.318	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	96069	0.461	ppbv	100
3) Chlorodifluoromethane	2.671	51	81180	0.540	ppbv	99
4) Chloromethane	2.809	50	41203	0.517	ppbv #	86
5) Vinyl Chloride	2.915	62	36174	0.501	ppbv	97
6) Bromomethane	3.118	94	19426	0.511	ppbv #	79
7) Chloroethane	3.192	64	13079	0.500	ppbv	90
8) Dichlorotetrafluoroethane	2.854	85	102861	0.552	ppbv	97
9) Propene	2.690	41	32642	0.498	ppbv	96
10) Heptane	7.578	43	63040	0.429	ppbv	99
11) Trichlorofluoromethane	3.558	101	92855	0.511	ppbv	89
12) 1,1,2-Trichlorotrifluo...	4.063	101	67243	0.509	ppbv	96
13) Ethanol	3.269	45	2080m	0.510	ppbv	
14) Bromoethene	3.362	108	28054	0.528	ppbv #	88
15) Acetone	3.481	43	69299	0.488	ppbv #	85
16) 1,3-Butadiene	2.983	39	33737	0.474	ppbv	88
17) tert-Butyl alcohol	3.890	59	61100	0.490	ppbv #	93
18) 1,1-Dichloroethene	3.877	96	30772	0.531	ppbv	97
19) Isopropyl Alcohol	3.597	45	32369m	0.471	ppbv	
20) Methylene Chloride	3.928	84	29673	0.568	ppbv	97
21) Allyl Chloride	3.993	41	39722	0.453	ppbv	86
22) trans-1,2-Dichloroethene	4.439	96	27393	0.474	ppbv	96
23) Vinyl Acetate	4.629	43	28383m	0.425	ppbv	
24) 1,1-Dichloroethane	4.562	63	61980	0.482	ppbv	99
25) Ethyl Acetate	5.211	43	140929	0.479	ppbv #	98
26) Hexane	5.211	57	50843	0.450	ppbv	81
27) Carbon Disulfide	4.121	76	52791	0.416	ppbv #	86
28) Methyl tert-Butyl Ether	4.594	73	34128	0.469	ppbv	96
29) Chloroform	5.266	83	98787	0.530	ppbv	93
30) Cyclohexane	6.600	84	51970m	0.573	ppbv	
31) cis-1,2-Dichloroethene	5.076	61	50385	0.464	ppbv	94
32) 1,1,1-Trichloroethane	5.999	97	84699	0.496	ppbv	96
34) 2-Butanone	4.796	43	78940	0.490	ppbv	99
35) Carbon Tetrachloride	6.488	117	89311m	0.523	ppbv	
36) Benzene	6.362	78	107078	0.447	ppbv	97
37) 1,2-Dichloroethane	5.803	62	64024	0.474	ppbv	97
38) Trichloroethene	7.291	130	42598	0.461	ppbv #	90
39) 1,2-Dichloropropane	7.070	63	44946	0.475	ppbv	93
40) 1,4-Dioxane	7.330	88	11696m	0.349	ppbv	
41) Tetrahydrofuran	5.574	42	37743m	0.411	ppbv	
42) Bromodichloromethane	7.246	83	86164	0.459	ppbv	97
43) Methyl Methacrylate	7.475	69	31683m	0.377	ppbv	
44) 2,2,4-Trimethylpentane	7.327	57	175510	0.433	ppbv	93
45) t-1,3-Dichloropropene	8.709	75	26475m	0.352	ppbv	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	41408m	0.379	ppbv	
47) 1,1,2-Trichloroethane	8.902	97	52244m	0.512	ppbv	
48) Dibromochloromethane	9.709	129	64053	0.411	ppbv	99
49) Bromoform	12.401	173	51263m	0.386	ppbv	
50) 4-Methyl-2-Pentanone	8.198	43	98725m	0.399	ppbv	
51) 2-Hexanone	9.577	43	66460m	0.370	ppbv	
52) Tetrachloroethene	10.610	164	40017m	0.489	ppbv	
53) Toluene	9.221	91	90468	0.359	ppbv	99
54) 1,2-Dibromoethane	10.008	107	57696m	0.484	ppbv	
56) 1,1,1,2-Tetrachloroethane	11.510	131	61817	0.512	ppbv #	1
57) Chlorobenzene	11.520	112	113601m	0.525	ppbv	
58) Ethyl Benzene	12.089	91	125893m	0.392	ppbv	
59) m/p-Xylene	12.372	91	241360m	0.840	ppbv	
60) o-Xylene	13.060	91	111856	0.408	ppbv	99
61) Styrene	12.899	104	36189m	0.320	ppbv	
62) Isopropylbenzene	14.031	105	187478	0.443	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.050	83	100534	0.503	ppbv	96
64) n-propylbenzene	14.921	120	47206m	0.426	ppbv	
65) tert-Butylbenzene	16.092	119	162846	0.428	ppbv	95
66) Benzyl Chloride	16.330	91	12069m	0.440	ppbv	
67) sec-Butylbenzene	16.638	105	230007	0.429	ppbv	100
69) p-Isopropyltoluene	16.995	119	169014	0.389	ppbv	95
70) n-Butylbenzene	17.892	91	178790m	0.402	ppbv	
71) 2-Chlorotoluene	14.802	91	122982	0.401	ppbv	100
72) 4-Ethyltoluene	15.191	105	125281m	0.393	ppbv	
73) 1,3,5-Trimethylbenzene	15.355	105	115096m	0.412	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	142178	0.437	ppbv #	87
75) 1,3-Dichlorobenzene	16.333	146	93240m	0.464	ppbv	
76) 1,4-Dichlorobenzene	16.478	146	93341m	0.473	ppbv	
77) 1,2-Dichlorobenzene	17.146	146	93228	0.468	ppbv	94
78) Hexachloro-1,3-Butadiene	22.638	225	89942m	0.570	ppbv	
79) Naphthalene	21.397	128	76368m	0.382	ppbv	
80) Naphthalene,2-methyl-	24.410	142	17526m	0.473	ppbv	
81) 1,2,4-Trichlorobenzene	21.149	180	52746m	0.424	ppbv	

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

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