

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110724\
 Data File : VL041681.D
 Acq On : 7 Nov 2024 14:51
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL110724

Quant Time: Nov 08 01:08:38 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 01:01:00 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	5.192	49	1219218	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	3384840	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	3288136m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.780	95	2384630	9.843	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.732	85	1794893	8.145	ppbv	100
3) Chlorodifluoromethane	2.677	51	1429744	9.000	ppbv	99
4) Chloromethane	2.816	50	787537	9.359	ppbv	97
5) Vinyl Chloride	2.922	62	774506	10.232	ppbv	98
6) Bromomethane	3.121	94	379427	9.449	ppbv	98
7) Chloroethane	3.198	64	265929	9.626	ppbv	99
8) Dichlorotetrafluoroethane	2.861	85	1752691	8.910	ppbv	100
9) Propene	2.697	41	684685	9.892	ppbv	100
10) Heptane	7.581	43	1623259	10.465	ppbv	100
11) Trichlorofluoromethane	3.562	101	1715400	8.937	ppbv	97
12) 1,1,2-Trichlorotrifluo...	4.066	101	1286962	9.225	ppbv	100
13) Ethanol	3.253	45	41860m	9.876	ppbv	
14) Bromoethene	3.369	108	547085	9.755	ppbv	97
15) Acetone	3.468	43	1307631	8.715	ppbv	98
16) 1,3-Butadiene	2.986	39	762546	10.072	ppbv	98
17) tert-Butyl alcohol	3.877	59	1421835	10.798	ppbv	99
18) 1,1-Dichloroethene	3.880	96	589373	9.632	ppbv	95
19) Isopropyl Alcohol	3.578	45	762103	10.626	ppbv #	97
20) Methylene Chloride	3.934	84	490767	8.888	ppbv	98
21) Allyl Chloride	3.996	41	952403	10.272	ppbv	99
22) trans-1,2-Dichloroethene	4.446	96	602606	9.905	ppbv	100
23) Vinyl Acetate	4.629	43	659846	9.976	ppbv #	95
24) 1,1-Dichloroethane	4.565	63	1246280	9.177	ppbv	98
25) Ethyl Acetate	5.205	43	3059483	9.850	ppbv	100
26) Hexane	5.214	57	1221365	10.235	ppbv	97
27) Carbon Disulfide	4.124	76	1427544	10.648	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	764924	9.954	ppbv	99
29) Chloroform	5.275	83	1805559	9.167	ppbv	100
30) Cyclohexane	6.603	84	1036810	10.204	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	1190854	10.374	ppbv	100
32) 1,1,1-Trichloroethane	6.002	97	1797279	10.002	ppbv	100
34) 2-Butanone	4.787	43	1751089	10.390	ppbv	100
35) Carbon Tetrachloride	6.494	117	1829420	10.244	ppbv	100
36) Benzene	6.368	78	2560057	10.208	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1376089	9.726	ppbv	99
38) Trichloroethene	7.291	130	1018788	10.577	ppbv	99
39) 1,2-Dichloropropane	7.073	63	983477	9.923	ppbv	96
40) 1,4-Dioxane	7.288	88	376201	10.579	ppbv #	1
41) Tetrahydrofuran	5.555	42	1065202	11.067	ppbv	99
42) Bromodichloromethane	7.253	83	1966589	10.002	ppbv	100
43) Methyl Methacrylate	7.475	69	1010315	11.473	ppbv	99
44) 2,2,4-Trimethylpentane	7.327	57	4253439	10.012	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	979763	12.176	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.143	75	1335370	11.555	ppbv	99
47) 1,1,2-Trichloroethane	8.899	97	1027960	9.583	ppbv	99
48) Dibromochloromethane	9.712	129	1697504	10.410	ppbv	100
49) Bromoform	12.410	173	1467565	10.519	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	2720056	10.513	ppbv	99
51) 2-Hexanone	9.552	43	2131991	11.315	ppbv #	98
52) Tetrachloroethene	10.613	164	931693	10.901	ppbv	97
53) Toluene	9.220	91	2900278	10.997	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1383939	11.043	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.510	131	1248422	9.206	ppbv	99
57) Chlorobenzene	11.529	112	2237120	9.199	ppbv	100
58) Ethyl Benzene	12.092	91	3855683	10.696	ppbv	99
59) m/p-Xylene	12.375	91	6465658m	20.029	ppbv	
60) o-Xylene	13.060	91	3103973	10.084	ppbv	100
61) Styrene	12.896	104	1535856	12.089	ppbv	100
62) Isopropylbenzene	14.031	105	4605291	9.687	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.050	83	2141628	9.458	ppbv	100
64) n-propylbenzene	14.918	120	1242370	9.983	ppbv	100
65) tert-Butylbenzene	16.092	119	4128160	9.661	ppbv	100
66) Benzyl Chloride	16.326	91	333479	10.145	ppbv	99
67) sec-Butylbenzene	16.638	105	5771671	9.584	ppbv	100
69) p-Isopropyltoluene	16.998	119	4841188	9.944	ppbv	100
70) n-Butylbenzene	17.889	91	4961330	9.960	ppbv	99
71) 2-Chlorotoluene	14.799	91	3477879	10.121	ppbv	100
72) 4-Ethyltoluene	15.194	105	3765544	10.522	ppbv	99
73) 1,3,5-Trimethylbenzene	15.352	105	3164645	10.077	ppbv	99
74) 1,2,4-Trimethylbenzene	16.111	105	3509579	9.621	ppbv	95
75) 1,3-Dichlorobenzene	16.333	146	2153016	9.530	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2087766	9.578	ppbv	99
77) 1,2-Dichlorobenzene	17.146	146	2076942	9.280	ppbv #	70
78) Hexachloro-1,3-Butadiene	22.635	225	1380777	7.801	ppbv	100
79) Naphthalene	21.384	128	2753473	12.229	ppbv	99
80) Naphthalene,2-methyl-	24.374	142	582436	11.866	ppbv	93
81) 1,2,4-Trichlorobenzene	21.143	180	1413820	9.985	ppbv	100

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

