

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041232.D
 Acq On : 7 May 2024 8:46
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: May 07 17:02:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 05/07/2024
 Supervised By : Semsettin Yesilyurt 05/07/2024

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

Internal Standards						
1) Bromochloromethane	5.201	49	879547	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	2312774	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.474	117	2440150m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	1718807	9.330	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.300%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.742	85	1382839	11.623	ppbv	98
3) Chlorodifluoromethane	2.687	51	1354547	10.140	ppbv	98
4) Chloromethane	2.825	50	518018	9.883	ppbv	94
5) Vinyl Chloride	2.931	62	520221	9.879	ppbv	99
6) Bromomethane	3.131	94	186220	9.693	ppbv	98
7) Chloroethane	3.208	64	188585	10.144	ppbv	100
8) Dichlorotetrafluoroethane	2.870	85	1277037	10.370	ppbv	99
9) Propene	2.706	41	499980	9.564	ppbv	99
10) Heptane	7.587	43	1217983	9.616	ppbv	99
11) Trichlorofluoromethane	3.574	101	1307086	10.810	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.076	101	944956	10.568	ppbv	98
13) Ethanol	3.253	45	110289	9.411	ppbv	99
14) Bromoethene	3.375	108	377316	10.225	ppbv	99
15) Acetone	3.478	43	960351	9.252	ppbv	98
16) 1,3-Butadiene	2.996	39	540182	10.309	ppbv	97
17) tert-Butyl alcohol	3.886	59	969433	8.658	ppbv	98
18) 1,1-Dichloroethene	3.893	96	416547	10.448	ppbv	95
19) Isopropyl Alcohol	3.587	45	690777	10.141	ppbv #	45
20) Methylene Chloride	3.944	84	337586	9.352	ppbv	96
21) Allyl Chloride	4.005	41	669161	9.887	ppbv	97
22) trans-1,2-Dichloroethene	4.455	96	432965	10.443	ppbv	97
23) Vinyl Acetate	4.636	43	1125317	9.845	ppbv	97
24) 1,1-Dichloroethane	4.574	63	921130	10.364	ppbv	99
25) Ethyl Acetate	5.214	43	2009461	9.699	ppbv	100
26) Hexane	5.221	57	880257	9.520	ppbv	99
27) Carbon Disulfide	4.134	76	1066743	9.747	ppbv	97
28) Methyl tert-Butyl Ether	4.597	73	670671	9.110	ppbv	99
29) Chloroform	5.285	83	1363984	10.693	ppbv	99
30) Cyclohexane	6.610	84	742340	10.143	ppbv	98
31) cis-1,2-Dichloroethene	5.089	61	882525	10.196	ppbv	97
32) 1,1,1-Trichloroethane	6.012	97	1328517	10.439	ppbv	99
34) 2-Butanone	4.796	43	1031576	8.763	ppbv	99
35) Carbon Tetrachloride	6.504	117	1348275	10.388	ppbv	99
36) Benzene	6.378	78	1863458	9.601	ppbv	99
37) 1,2-Dichloroethane	5.816	62	1075664	10.622	ppbv	100
38) Trichloroethene	7.301	130	717420	9.919	ppbv	99
39) 1,2-Dichloropropane	7.082	63	728612	9.741	ppbv	96
40) 1,4-Dioxane	7.295	88	282802	10.583	ppbv	90
41) Tetrahydrofuran	5.565	42	781472	9.170	ppbv	99
42) Bromodichloromethane	7.256	83	1523943	10.493	ppbv	100
43) Methyl Methacrylate	7.484	69	756578	9.638	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	3149046	9.410	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	533341	9.376	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	649939	9.333	ppbv	98
47) 1,1,2-Trichloroethane	8.912	97	759245	10.141	ppbv	97
48) Dibromochloromethane	9.719	129	1266098	10.614	ppbv	100
49) Bromoform	12.417	173	1068477	10.529	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1946905	9.216	ppbv	100
51) 2-Hexanone	9.558	43	1417630	9.047	ppbv #	98
52) Tetrachloroethene	10.622	164	667613	9.787	ppbv	99
53) Toluene	9.230	91	2177514	9.676	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1034955	10.206	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.519	131	926243	9.361	ppbv	98
57) Chlorobenzene	11.536	112	1618121	9.055	ppbv	99
58) Ethyl Benzene	12.095	91	2931204	8.761	ppbv	97
59) m/p-Xylene	12.378	91	4901713m	17.431	ppbv	
60) o-Xylene	13.069	91	2319989	8.801	ppbv	99
61) Styrene	12.905	104	1258314	9.036	ppbv	99
62) Isopropylbenzene	14.037	105	3470665	8.802	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.056	83	1635529	9.103	ppbv	100
64) n-propylbenzene	14.921	120	917539	9.328	ppbv	96
65) tert-Butylbenzene	16.098	119	3059465	8.663	ppbv	100
66) Benzyl Chloride	16.333	91	171648	4.294	ppbv	99
67) sec-Butylbenzene	16.641	105	4347341	8.745	ppbv	99
69) p-Isopropyltoluene	17.005	119	3612515	8.818	ppbv	100
70) n-Butylbenzene	17.892	91	3806194	8.896	ppbv	99
71) 2-Chlorotoluene	14.809	91	2669084	8.891	ppbv	98
72) 4-Ethyltoluene	15.198	105	2812688	9.420	ppbv	98
73) 1,3,5-Trimethylbenzene	15.359	105	2445649	9.053	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	2647748	8.974	ppbv	94
75) 1,3-Dichlorobenzene	16.339	146	1574516	9.307	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1544144	9.491	ppbv	100
77) 1,2-Dichlorobenzene	17.149	146	1523432	9.008	ppbv	100
78) Hexachloro-1,3-Butadiene	22.638	225	1111923	7.398	ppbv	99
79) Naphthalene	21.394	128	2634247	9.376	ppbv	99
80) Naphthalene,2-methyl-	24.377	142	811231	7.177	ppbv	98
81) 1,2,4-Trichlorobenzene	21.146	180	1269024	8.554	ppbv	100

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

