

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041212.D
 Acq On : 6 May 2024 11:02
 Operator : SY/MD
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Quant Time: May 07 05:21:41 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 : Semsettin Yesilyurt 05/07/2024
 Supervised By : Mahesh Dadoda 05/07/2024

Supervised By : Mahesh
 Dadoda
 05/07/2024

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

Internal Standards						
1) Bromochloromethane	5.192	49	915298	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2421700	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2462637m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1766067	9.499	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.735	85	1251956	10.112	ppbv	98
3) Chlorodifluoromethane	2.681	51	1384426	9.959	ppbv	100
4) Chloromethane	2.819	50	542435	9.944	ppbv	93
5) Vinyl Chloride	2.925	62	557651	10.176	ppbv	100
6) Bromomethane	3.124	94	196411	9.824	ppbv	97
7) Chloroethane	3.201	64	190519	9.847	ppbv	97
8) Dichlorotetrafluoroethane	2.864	85	1288077	10.051	ppbv	98
9) Propene	2.700	41	518293	9.527	ppbv	98
10) Heptane	7.577	43	1252645	9.504	ppbv	98
11) Trichlorofluoromethane	3.565	101	1354000	10.761	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	985430	10.590	ppbv	99
13) Ethanol	3.240	45	119899m	9.832	ppbv	
14) Bromoethene	3.369	108	390153	10.160	ppbv	99
15) Acetone	3.471	43	1013072	9.378	ppbv	98
16) 1,3-Butadiene	2.989	39	551862	10.121	ppbv	99
17) tert-Butyl alcohol	3.880	59	1088278	9.339	ppbv	100
18) 1,1-Dichloroethene	3.880	96	432883	10.434	ppbv	97
19) Isopropyl Alcohol	3.578	45	696253	9.823	ppbv #	43
20) Methylene Chloride	3.934	84	375880	10.006	ppbv	99
21) Allyl Chloride	3.996	41	713160	10.125	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	444943	10.312	ppbv	97
23) Vinyl Acetate	4.626	43	1220148	10.258	ppbv	99
24) 1,1-Dichloroethane	4.565	63	962799	10.409	ppbv	99
25) Ethyl Acetate	5.205	43	2064157	9.573	ppbv	99
26) Hexane	5.211	57	910590	9.464	ppbv	99
27) Carbon Disulfide	4.124	76	1172499	10.294	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	729961	9.528	ppbv	98
29) Chloroform	5.272	83	1354900	10.207	ppbv	99
30) Cyclohexane	6.597	84	764178	10.033	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	884410	9.818	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1367421	10.325	ppbv	99
34) 2-Butanone	4.783	43	1116770	9.060	ppbv	99
35) Carbon Tetrachloride	6.491	117	1377025	10.132	ppbv	98
36) Benzene	6.368	78	1934803	9.520	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1062397	10.019	ppbv	99
38) Trichloroethene	7.288	130	722572	9.541	ppbv	97
39) 1,2-Dichloropropane	7.069	63	753157	9.616	ppbv	98
40) 1,4-Dioxane	7.278	88	284836	10.180	ppbv	96
41) Tetrahydrofuran	5.555	42	831570	9.319	ppbv	100
42) Bromodichloromethane	7.246	83	1540696	10.131	ppbv	99
43) Methyl Methacrylate	7.468	69	787871	9.585	ppbv	98
44) 2,2,4-Trimethylpentane	7.323	57	3248970	9.272	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	605299	10.162	ppbv	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	721071	9.888	ppbv	99
47) 1,1,2-Trichloroethane	8.896	97	783313	9.992	ppbv	98
48) Dibromochloromethane	9.706	129	1274076	10.200	ppbv	99
49) Bromoform	12.404	173	1089544	10.254	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2031485	9.184	ppbv	99
51) 2-Hexanone	9.545	43	1494023	9.106	ppbv #	99
52) Tetrachloroethene	10.609	164	676203	9.467	ppbv	95
53) Toluene	9.217	91	2249986	9.548	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1075927	10.133	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.507	131	934653	9.360	ppbv	99
57) Chlorobenzene	11.523	112	1646841	9.131	ppbv	99
58) Ethyl Benzene	12.085	91	3005194	8.900	ppbv	98
59) m/p-Xylene	12.368	91	4998533m	17.613	ppbv	
60) o-Xylene	13.053	91	2383005	8.958	ppbv	100
61) Styrene	12.892	104	1288818	9.171	ppbv	100
62) Isopropylbenzene	14.024	105	3541533	8.900	ppbv	99
63) 1,1,1,2-Tetrachloroethane	13.040	83	1650496	9.102	ppbv	100
64) n-propylbenzene	14.908	120	923919	9.307	ppbv	98
65) tert-Butylbenzene	16.085	119	3066885	8.605	ppbv	99
66) Benzyl Chloride	16.323	91	280458	6.952	ppbv	100
67) sec-Butylbenzene	16.629	105	4391312	8.753	ppbv	99
69) p-Isopropyltoluene	16.989	119	3641676	8.808	ppbv	100
70) n-Butylbenzene	17.879	91	3836776	8.886	ppbv	99
71) 2-Chlorotoluene	14.796	91	2736959	9.034	ppbv	99
72) 4-Ethyltoluene	15.188	105	2865434	9.509	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2466262	9.046	ppbv	99
74) 1,2,4-Trimethylbenzene	16.104	105	2676654	8.989	ppbv	93
75) 1,3-Dichlorobenzene	16.323	146	1589839	9.311	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1552244	9.453	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1547151	9.065	ppbv	99
78) Hexachloro-1,3-Butadiene	22.631	225	1147756m	7.566	ppbv	
79) Naphthalene	21.374	128	2701491	9.527	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	891770	7.818	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1314196	8.777	ppbv	99

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

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