

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041223\
 Data File : VL040351.D
 Acq On : 13 Apr 2023 00:42
 Operator : SY/MD
 Sample : VL0412ABS03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0412ABS03

Quant Time: Apr 13 08:16:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Apr 11 04:15:53 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/13/2023
 Supervised By : Mahesh Dadoda 04/13/2023

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

Internal Standards						
1) Bromochloromethane	5.189	49	958379	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2398902	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2464140m	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1994240	9.664	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.719	85	1402999	7.461	ppbv	99
3) Chlorodifluoromethane	2.661	51	1134666	9.415	ppbv	100
4) Chloromethane	2.800	50	706850	9.499	ppbv	96
5) Vinyl Chloride	2.909	62	616120	10.225	ppbv	97
6) Bromomethane	3.108	94	202268	9.680	ppbv	92
7) Chloroethane	3.189	64	231161	9.993	ppbv	98
8) Dichlorotetrafluoroethane	2.845	85	1575402	9.788	ppbv	99
9) Propene	2.681	41	443677	9.610	ppbv	97
10) Heptane	7.584	43	1141746	10.282	ppbv	99
11) Trichlorofluoromethane	3.555	101	1646427	9.664	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.060	101	1140088	8.911	ppbv	97
13) Ethanol	3.234	45	28760m	8.494	ppbv	
14) Bromoethene	3.359	108	487585	10.216	ppbv	98
15) Acetone	3.459	43	1076737	9.228	ppbv	100
16) 1,3-Butadiene	2.973	39	527761	9.951	ppbv	98
17) tert-Butyl alcohol	3.870	59	1125988	10.154	ppbv	100
18) 1,1-Dichloroethene	3.873	96	521531	9.501	ppbv	98
19) Isopropyl Alcohol	3.568	45	531004	9.501	ppbv	99
20) Methylene Chloride	3.925	84	427743	8.714	ppbv	96
21) Allyl Chloride	3.989	41	730176	9.661	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	523145	9.364	ppbv	95
23) Vinyl Acetate	4.623	43	324679	10.002	ppbv	97
24) 1,1-Dichloroethane	4.558	63	1051546	9.082	ppbv	98
25) Ethyl Acetate	5.201	43	2115775	9.686	ppbv	100
26) Hexane	5.211	57	894221	9.973	ppbv	97
27) Carbon Disulfide	4.118	76	1276028	10.189	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	929550	9.029	ppbv	100
29) Chloroform	5.275	83	1570214	9.917	ppbv	100
30) Cyclohexane	6.603	84	753033	10.658	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	915783	10.488	ppbv	99
32) 1,1,1-Trichloroethane	6.002	97	1594151	10.509	ppbv	99
34) 2-Butanone	4.783	43	1199933	10.135	ppbv	100
35) Carbon Tetrachloride	6.497	117	1641939	10.907	ppbv	99
36) Benzene	6.375	78	1860182	10.175	ppbv	99
37) 1,2-Dichloroethane	5.809	62	1221244	10.263	ppbv	100
38) Trichloroethene	7.298	130	1130111	11.312	ppbv	98
39) 1,2-Dichloropropane	7.076	63	725898	10.121	ppbv	98
40) 1,4-Dioxane	7.291	88	261568	9.218	ppbv #	1
41) Tetrahydrofuran	5.558	42	673525	9.857	ppbv	99
42) Bromodichloromethane	7.253	83	1688186	10.382	ppbv	96
43) Methyl Methacrylate	7.478	69	738693	10.873	ppbv	99
44) 2,2,4-Trimethylpentane	7.330	57	3160951	10.370	ppbv	100
45) t-1,3-Dichloropropene	8.719	75	700403	11.826	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	973165	11.571	ppbv	99
47) 1,1,2-Trichloroethane	8.905	97	775257	10.130	ppbv	98
48) Dibromochloromethane	9.719	129	1313679	10.431	ppbv	100
49) Bromoform	12.423	173	995561	10.525	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	1883496	10.280	ppbv	98
51) 2-Hexanone	9.558	43	1383022	9.744	ppbv	98
52) Tetrachloroethene	10.626	164	601932	10.883	ppbv	98
53) Toluene	9.230	91	2111461	11.021	ppbv	99
54) 1,2-Dibromoethane	10.021	107	833551	10.582	ppbv	91
56) 1,1,1,2-Tetrachloroethane	11.523	131	960670	9.268	ppbv	98
57) Chlorobenzene	11.539	112	1588757	9.064	ppbv	97
58) Ethyl Benzene	12.101	91	2850771	10.160	ppbv	96
59) m/p-Xylene	12.384	91	5015164m	19.512	ppbv	
60) o-Xylene	13.072	91	2395600	9.750	ppbv	100
61) Styrene	12.912	104	1318580	10.575	ppbv	100
62) Isopropylbenzene	14.043	105	3368696	9.627	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.060	83	748820	8.661	ppbv	100
64) n-propylbenzene	14.928	120	863332	10.082	ppbv	98
65) tert-Butylbenzene	16.104	119	3002114	9.956	ppbv	99
66) Benzyl Chloride	16.342	91	198128	10.110	ppbv	100
67) sec-Butylbenzene	16.651	105	4373092	10.141	ppbv	99
69) p-Isopropyltoluene	17.011	119	3550424	10.572	ppbv	100
70) n-Butylbenzene	17.902	91	4001346	10.815	ppbv	100
71) 2-Chlorotoluene	14.812	91	2613120	9.812	ppbv	100
72) 4-Ethyltoluene	15.207	105	2786962	10.374	ppbv	98
73) 1,3,5-Trimethylbenzene	15.365	105	2489677	10.231	ppbv	99
74) 1,2,4-Trimethylbenzene	16.121	105	2793073	10.065	ppbv	92
75) 1,3-Dichlorobenzene	16.346	146	1541619	10.257	ppbv	100
76) 1,4-Dichlorobenzene	16.487	146	1494196	10.423	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	1517774	10.506	ppbv	100
78) Hexachloro-1,3-Butadiene	22.654	225	1060119	10.006	ppbv	98
79) Naphthalene	21.400	128	2114396	12.880	ppbv	97
80) Naphthalene,2-methyl-	24.387	142	272261	6.548	ppbv	95
81) 1,2,4-Trichlorobenzene	21.156	180	1147229	11.346	ppbv	98

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

