

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041923\
 Data File : VL040376.D
 Acq On : 19 Apr 2023 12:20
 Operator : SY/MD
 Sample : VL0419ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0419ABS01

Quant Time: Apr 20 05:08:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 04/20/2023
 Supervised By : Mahesh Dadoda 04/22/2023

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

Internal Standards						
1) Bromochloromethane	5.182	49	1133541	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2848098	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.465	117	2900917	10.000	ppbv	0.00

System Monitoring Compounds
 68) 1-Bromo-4-Fluorobenzene 13.773 95 2279964 9.504 ppbv -0.01
 Spiked Amount 10.000 Range 65 - 135 Recovery = 95.000%

Target Compounds	Qvalue					
2) Dichlorodifluoromethane	2.709	85	1778421	8.702	ppbv	98
3) Chlorodifluoromethane	2.655	51	1397037	9.432	ppbv	100
4) Chloromethane	2.793	50	915121	9.780	ppbv	97
5) Vinyl Chloride	2.899	62	764217	9.894	ppbv	99
6) Bromomethane	3.102	94	252293	9.915	ppbv	97
7) Chloroethane	3.179	64	280977	9.607	ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	1905724	9.541	ppbv	99
9) Propene	2.674	41	565527	9.664	ppbv	99
10) Heptane	7.571	43	1464392	11.012	ppbv	99
11) Trichlorofluoromethane	3.545	101	1946252	9.407	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.050	101	1453771	10.046	ppbv	99
13) Ethanol	3.227	45	37747m	7.727	ppbv	
14) Bromoethene	3.349	108	591243	9.992	ppbv	99
15) Acetone	3.449	43	1369211	8.528	ppbv	98
16) 1,3-Butadiene	2.967	39	683304	10.284	ppbv	98
17) tert-Butyl alcohol	3.861	59	1497560	10.157	ppbv	99
18) 1,1-Dichloroethene	3.864	96	646422	9.905	ppbv	93
19) Isopropyl Alcohol	3.558	45	702017	9.583	ppbv #	97
20) Methylene Chloride	3.915	84	563746	8.795	ppbv	97
21) Allyl Chloride	3.980	41	953147	10.448	ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	687180	10.532	ppbv	98
23) Vinyl Acetate	4.610	43	413811	10.123	ppbv	97
24) 1,1-Dichloroethane	4.549	63	1374623	10.104	ppbv	100
25) Ethyl Acetate	5.192	43	2706063	10.017	ppbv	100
26) Hexane	5.198	57	1134926	9.965	ppbv	100
27) Carbon Disulfide	4.108	76	1587695	10.772	ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	1253394	10.661	ppbv	99
29) Chloroform	5.262	83	1975297	9.736	ppbv	97
30) Cyclohexane	6.594	84	974084	11.043	ppbv	99
31) cis-1,2-Dichloroethene	5.066	61	1057804	9.370	ppbv	97
32) 1,1,1-Trichloroethane	5.992	97	1977862	10.034	ppbv	100
34) 2-Butanone	4.770	43	1498177	9.755	ppbv	99
35) Carbon Tetrachloride	6.484	117	2033522	10.143	ppbv	99
36) Benzene	6.359	78	2405013	10.350	ppbv	99
37) 1,2-Dichloroethane	5.796	62	1529278	10.019	ppbv	99
38) Trichloroethene	7.282	130	1461997	11.055	ppbv	98
39) 1,2-Dichloropropane	7.066	63	938157	10.261	ppbv	100
40) 1,4-Dioxane	7.278	88	351349	10.034	ppbv #	100
41) Tetrahydrofuran	5.545	42	902132	10.726	ppbv	99
42) Bromodichloromethane	7.240	83	2165235	10.388	ppbv	99
43) Methyl Methacrylate	7.468	69	968100	11.217	ppbv	98
44) 2,2,4-Trimethylpentane	7.317	57	3993603	10.289	ppbv	100
45) t-1,3-Dichloropropene	8.703	75	960273	12.456	ppbv	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	1270738	11.842	ppbv	98
47) 1,1,2-Trichloroethane	8.893	97	1017849	10.153	ppbv	99
48) Dibromochloromethane	9.706	129	1745384	10.811	ppbv	99
49) Bromoform	12.407	173	1408207	11.183	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2497967	10.727	ppbv	100
51) 2-Hexanone	9.545	43	1923162	11.177	ppbv	100
52) Tetrachloroethene	10.613	164	821853	11.307	ppbv	97
53) Toluene	9.214	91	2752842	11.174	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1122518	11.045	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.503	131	1258832	9.507	ppbv	99
57) Chlorobenzene	11.523	112	2150965	9.470	ppbv	99
58) Ethyl Benzene	12.085	91	3778108	10.587	ppbv	97
59) m/p-Xylene	12.368	91	6586709m	20.071	ppbv	
60) o-Xylene	13.053	91	3166038	10.052	ppbv	100
61) Styrene	12.896	104	1837219	11.645	ppbv	99
62) Isopropylbenzene	14.027	105	4424603	9.755	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.047	83	993214	8.617	ppbv	99
64) n-propylbenzene	14.915	120	1125779	10.087	ppbv	99
65) tert-Butylbenzene	16.088	119	3903204	9.781	ppbv	99
66) Benzyl Chloride	16.326	91	265813	10.758	ppbv	100
67) sec-Butylbenzene	16.635	105	5497118	9.590	ppbv	99
69) p-Isopropyltoluene	16.995	119	4410947	9.855	ppbv	99
70) n-Butylbenzene	17.886	91	4839042	9.753	ppbv	100
71) 2-Chlorotoluene	14.799	91	3462334	9.943	ppbv	99
72) 4-Ethyltoluene	15.191	105	3610939	10.386	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	3229262	10.054	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3532616	9.623	ppbv	96
75) 1,3-Dichlorobenzene	16.333	146	1939099	9.644	ppbv	99
76) 1,4-Dichlorobenzene	16.471	146	1905217	9.590	ppbv	100
77) 1,2-Dichlorobenzene	17.143	146	1851210	9.311	ppbv	99
78) Hexachloro-1,3-Butadiene	22.635	225	1409742	8.844	ppbv	99
79) Naphthalene	21.384	128	2971141	11.990	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	995018	13.490	ppbv	99
81) 1,2,4-Trichlorobenzene	21.143	180	1539668	10.111	ppbv	99

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

