

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040360.D
 Acq On : 13 Apr 2023 14:00
 Operator : SY/MD
 Sample : VSTDIC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 14:30:37 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 13:46:25 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	1043975	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2589020	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2626182	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.789 95 2209147 10.045 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.719	85	1889244	9.224	ppbv	97
3) Chlorodifluoromethane	2.661	51	1786678	13.610	ppbv	100
4) Chloromethane	2.803	50	1157369	14.278	ppbv	99
5) Vinyl Chloride	2.909	62	991629	15.108	ppbv	98
6) Bromomethane	3.108	94	326705	14.354	ppbv	98
7) Chloroethane	3.185	64	377525	14.982	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	2429992	13.859	ppbv	98
9) Propene	2.684	41	720120	14.319	ppbv	96
10) Heptane	7.590	43	1892133	15.642	ppbv	99
11) Trichlorofluoromethane	3.555	101	2574640	13.873	ppbv	96
12) 1,1,2-Trichlorotrifluo...	4.060	101	1826580	13.105	ppbv	98
13) Ethanol	3.234	45	49920	13.534	ppbv	96
14) Bromoethene	3.356	108	788186	15.160	ppbv	99
15) Acetone	3.459	43	1758626	13.837	ppbv	99
16) 1,3-Butadiene	2.973	39	877571	15.190	ppbv	99
17) tert-Butyl alcohol	3.870	59	1858714	15.388	ppbv	100
18) 1,1-Dichloroethene	3.873	96	857822	14.347	ppbv	99
19) Isopropyl Alcohol	3.568	45	920076	15.112	ppbv	98
20) Methylene Chloride	3.928	84	724362	13.547	ppbv	98
21) Allyl Chloride	3.992	41	1213570	14.741	ppbv	98
22) trans-1,2-Dichloroethene	4.443	96	838620	13.780	ppbv	93
23) Vinyl Acetate	4.623	43	519782	14.700	ppbv	97
24) 1,1-Dichloroethane	4.562	63	1691271	13.410	ppbv	98
25) Ethyl Acetate	5.205	43	3476586	14.611	ppbv	99
26) Hexane	5.214	57	1499875	15.356	ppbv	95
27) Carbon Disulfide	4.118	76	2127465	15.595	ppbv	99
28) Methyl tert-Butyl Ether	4.581	73	1485701	13.248	ppbv	99
29) Chloroform	5.275	83	2590383	15.019	ppbv	100
30) Cyclohexane	6.606	84	1260906	16.383	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1550919	16.305	ppbv	98
32) 1,1,1-Trichloroethane	6.005	97	2618130	15.845	ppbv	99
34) 2-Butanone	4.783	43	2061275	16.132	ppbv	99
35) Carbon Tetrachloride	6.497	117	2706784	16.660	ppbv	98
36) Benzene	6.375	78	3111717	15.771	ppbv	99
37) 1,2-Dichloroethane	5.809	62	2067934	16.103	ppbv	100
38) Trichloroethene	7.298	130	1973696	18.306	ppbv	98
39) 1,2-Dichloropropane	7.079	63	1212076	15.658	ppbv	98
40) 1,4-Dioxane	7.291	88	454542	14.842	ppbv	80
41) Tetrahydrofuran	5.555	42	1182375	16.033	ppbv	99
42) Bromodichloromethane	7.256	83	2876314	16.390	ppbv	99
43) Methyl Methacrylate	7.481	69	1276587	17.411	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	5131580	15.599	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	1337265	20.922	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1738791	19.157	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	1362836	16.500	ppbv	96
48) Dibromochloromethane	9.722	129	2396102	17.629	ppbv	99
49) Bromoform	12.423	173	1976058	19.357	ppbv	99
50) 4-Methyl-2-Pentanone	8.188	43	3294316	16.660	ppbv	99
51) 2-Hexanone	9.558	43	2597338	16.956	ppbv #	100
52) Tetrachloroethene	10.626	164	1111199	18.615	ppbv	97
53) Toluene	9.233	91	3677006	17.783	ppbv	98
54) 1,2-Dibromoethane	10.021	107	1546159	18.187	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.526	131	1705841	15.441	ppbv	97
57) Chlorobenzene	11.542	112	2887379	15.456	ppbv	99
58) Ethyl Benzene	12.105	91	5092427	17.030	ppbv	96
59) m/p-Xylene	12.388	91	8889317m	32.450	ppbv	
60) o-Xylene	13.072	91	4305898	16.443	ppbv	98
61) Styrene	12.912	104	2524744	18.999	ppbv	99
62) Isopropylbenzene	14.043	105	5985367	16.050	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	1347940	14.628	ppbv	100
64) n-propylbenzene	14.931	120	1558591	17.079	ppbv	92
65) tert-Butylbenzene	16.104	119	5250919	16.340	ppbv	100
66) Benzyl Chloride	16.346	91	403370	19.314	ppbv	99
67) sec-Butylbenzene	16.654	105	7454784	16.220	ppbv	99
69) p-Isopropyltoluene	17.011	119	6011882	16.797	ppbv	99
70) n-Butylbenzene	17.902	91	6561883	16.641	ppbv	98
71) 2-Chlorotoluene	14.818	91	4733976	16.679	ppbv	99
72) 4-Ethyltoluene	15.207	105	4923605	17.197	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	4425441	17.064	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	4796498	16.218	ppbv	92
75) 1,3-Dichlorobenzene	16.349	146	2685525	16.765	ppbv	100
76) 1,4-Dichlorobenzene	16.494	146	2650431	17.348	ppbv	100
77) 1,2-Dichlorobenzene	17.162	146	2553129	16.582	ppbv	100
78) Hexachloro-1,3-Butadiene	22.657	225	1983486	17.566	ppbv	100
79) Naphthalene	21.403	128	4300318	24.579	ppbv	99
80) Naphthalene,2-methyl-	24.384	142	1609352	36.319	ppbv	98
81) 1,2,4-Trichlorobenzene	21.159	180	2207087	20.481	ppbv	100

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

