

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031124\
 Data File : VL041089.D
 Acq On : 11 Mar 2024 16:12
 Operator : SY/MD
 Sample : VSTDICV010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICSVVL031124

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/12/2024
 Supervised By :Mahesh Dadoda 03/12/2024

Quant Time: Mar 12 06:43:31 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031124AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2

QLast Update : Tue Mar 12 06:25:15 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1503683	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	4019042	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	3830395	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.793 95 2885444 9.635 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.300%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	2630037	9.179	ppbv	99
3) Chlorodifluoromethane	2.674	51	2056605	9.312	ppbv	100
4) Chloromethane	2.816	50	782069	9.357	ppbv	98
5) Vinyl Chloride	2.922	62	822162	9.667	ppbv	98
6) Bromomethane	3.121	94	331667	9.833	ppbv	91
7) Chloroethane	3.198	64	277515	9.396	ppbv	99
8) Dichlorotetrafluoroethane	2.858	85	1956477	9.403	ppbv	99
9) Propene	2.697	41	700788	9.529	ppbv	98
10) Heptane	7.591	43	1795164	10.201	ppbv	99
11) Trichlorofluoromethane	3.568	101	2032573	9.199	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1462896	9.006	ppbv	98
13) Ethanol	3.243	45	169835m	8.665	ppbv	
14) Bromoethene	3.369	108	615400	9.716	ppbv	100
15) Acetone	3.472	43	1413686	8.252	ppbv	99
16) 1,3-Butadiene	2.989	39	748595	9.633	ppbv	97
17) tert-Butyl alcohol	3.886	59	1320931	10.414	ppbv	98
18) 1,1-Dichloroethene	3.886	96	658767	9.291	ppbv	99
19) Isopropyl Alcohol	3.578	45	935450	10.223	ppbv #	97
20) Methylene Chloride	3.938	84	548972	8.220	ppbv	97
21) Allyl Chloride	4.002	41	978822	10.116	ppbv	97
22) trans-1,2-Dichloroethene	4.452	96	884546	10.687	ppbv	98
23) Vinyl Acetate	4.636	43	2198146	11.339	ppbv	98
24) 1,1-Dichloroethane	4.571	63	1780029	10.164	ppbv	100
25) Ethyl Acetate	5.211	43	3089652	10.011	ppbv	99
26) Hexane	5.224	57	1347553	9.769	ppbv	99
27) Carbon Disulfide	4.131	76	1737681	10.508	ppbv	99
28) Methyl tert-Butyl Ether	4.591	73	1312478	10.761	ppbv	100
29) Chloroform	5.285	83	2233207	9.507	ppbv	96
30) Cyclohexane	6.616	84	1159612	10.145	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	1393574	10.378	ppbv	98
32) 1,1,1-Trichloroethane	6.015	97	2242619	10.541	ppbv	98
34) 2-Butanone	4.793	43	1935748	9.728	ppbv	98
35) Carbon Tetrachloride	6.507	117	2344673	9.983	ppbv	99
36) Benzene	6.385	78	2883705	9.639	ppbv	98
37) 1,2-Dichloroethane	5.819	62	1667934	9.267	ppbv	98
38) Trichloroethene	7.304	130	1102648	10.148	ppbv	98
39) 1,2-Dichloropropane	7.086	63	1118206	9.344	ppbv	95
40) 1,4-Dioxane	7.295	88	439124	9.320	ppbv #	1
41) Tetrahydrofuran	5.565	42	1187276	10.025	ppbv	98
42) Bromodichloromethane	7.263	83	2493440	9.670	ppbv	99
43) Methyl Methacrylate	7.488	69	1210685	10.462	ppbv	98
44) 2,2,4-Trimethylpentane	7.343	57	4678554	9.365	ppbv	99
45) t-1,3-Dichloropropene	8.726	75	926735	11.634	ppbv	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.156	75	1100087	10.997	ppbv	97
47) 1,1,2-Trichloroethane	8.918	97	1231492m	9.648	ppbv	
48) Dibromochloromethane	9.726	129	2125088	10.214	ppbv	99
49) Bromoform	12.426	173	1702364	10.287	ppbv	99
50) 4-Methyl-2-Pentanone	8.195	43	2921078	9.953	ppbv	100
51) 2-Hexanone	9.565	43	2127711	9.897	ppbv #	98
52) Tetrachloroethene	10.632	164	990837	10.678	ppbv	97
53) Toluene	9.237	91	3316203	10.284	ppbv	100
54) 1,2-Dibromoethane	10.025	107	1740073	10.600	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.526	131	1527461	9.320	ppbv	96
57) Chlorobenzene	11.545	112	2541859	9.414	ppbv	97
58) Ethyl Benzene	12.105	91	4405511	9.824	ppbv	98
59) m/p-Xylene	12.385	91	7400415m	18.800	ppbv	
60) o-Xylene	13.076	91	3505833	9.380	ppbv	99
61) Styrene	12.915	104	1892175	11.211	ppbv	99
62) Isopropylbenzene	14.044	105	5194945	9.356	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.063	83	2593193	9.231	ppbv	99
64) n-propylbenzene	14.934	120	1369823	9.805	ppbv	94
65) tert-Butylbenzene	16.105	119	4523476	9.374	ppbv	98
66) Benzyl Chloride	16.346	91	352043	10.767	ppbv	99
67) sec-Butylbenzene	16.654	105	6413876	9.240	ppbv	99
69) p-Isopropyltoluene	17.011	119	5232726	9.664	ppbv	99
70) n-Butylbenzene	17.902	91	5537161	9.462	ppbv	100
71) 2-Chlorotoluene	14.819	91	4029829	9.489	ppbv	98
72) 4-Ethyltoluene	15.211	105	4125791	10.026	ppbv	99
73) 1,3,5-Trimethylbenzene	15.368	105	3565254	9.790	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	3886264	9.344	ppbv	97
75) 1,3-Dichlorobenzene	16.346	146	2275290	9.579	ppbv	100
76) 1,4-Dichlorobenzene	16.491	146	2207419	9.224	ppbv	99
77) 1,2-Dichlorobenzene	17.159	146	2204431	9.498	ppbv	99
78) Hexachloro-1,3-Butadiene	22.654	225	1346900	8.243	ppbv	100
79) Naphthalene	21.403	128	2964674	12.309	ppbv	99
80) Naphthalene,2-methyl-	24.387	142	539993m	13.987	ppbv	
81) 1,2,4-Trichlorobenzene	21.159	180	1456599	10.502	ppbv	99

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

