

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041152.D
 Acq On : 23 Apr 2024 8:58
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/24/2024
 Supervised By : Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 02:48:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Wed Apr 24 02:47:46 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1222428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3206603	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3234452m	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.764 95 2508712 9.646 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	1971781	9.430	ppbv	99
3) Chlorodifluoromethane	2.681	51	1903850	10.112	ppbv	100
4) Chloromethane	2.819	50	738681	10.367	ppbv	100
5) Vinyl Chloride	2.925	62	754239	10.958	ppbv	99
6) Bromomethane	3.121	94	276227	10.662	ppbv	94
7) Chloroethane	3.198	64	263591	10.435	ppbv	98
8) Dichlorotetrafluoroethane	2.861	85	1874463	10.509	ppbv	100
9) Propene	2.700	41	637657	10.646	ppbv	95
10) Heptane	7.574	43	1600502	11.255	ppbv	99
11) Trichlorofluoromethane	3.562	101	1937848	10.220	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.067	101	1409294	10.269	ppbv	100
13) Ethanol	3.243	45	143461m	10.070	ppbv	
14) Bromoethene	3.369	108	574906	10.635	ppbv	99
15) Acetone	3.469	43	1354523	10.233	ppbv	98
16) 1,3-Butadiene	2.989	39	711643	10.952	ppbv	98
17) tert-Butyl alcohol	3.877	59	1264062	10.545	ppbv	99
18) 1,1-Dichloroethene	3.880	96	633568	10.813	ppbv	98
19) Isopropyl Alcohol	3.575	45	878842	10.930	ppbv	99
20) Methylene Chloride	3.932	84	521451	9.552	ppbv	95
21) Allyl Chloride	3.996	41	876441	10.867	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	646962	10.532	ppbv	98
23) Vinyl Acetate	4.623	43	1568147	11.597	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1324003	10.762	ppbv	99
25) Ethyl Acetate	5.198	43	2667616	10.732	ppbv	100
26) Hexane	5.208	57	1158557	10.387	ppbv	99
27) Carbon Disulfide	4.124	76	1534393	11.227	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	903061	10.729	ppbv	100
29) Chloroform	5.269	83	1954144	10.393	ppbv	98
30) Cyclohexane	6.594	84	996383	10.967	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1051489	9.960	ppbv	100
32) 1,1,1-Trichloroethane	5.996	97	1958572	11.269	ppbv	100
34) 2-Butanone	4.780	43	1467699	10.816	ppbv	100
35) Carbon Tetrachloride	6.488	117	2040978	11.180	ppbv	99
36) Benzene	6.362	78	2515374	10.682	ppbv	99
37) 1,2-Dichloroethane	5.800	62	1518835	10.743	ppbv	99
38) Trichloroethene	7.282	130	980522	11.526	ppbv	95
39) 1,2-Dichloropropane	7.063	63	991001	10.673	ppbv	98
40) 1,4-Dioxane	7.279	88	363718	11.240	ppbv	89
41) Tetrahydrofuran	5.549	42	1025822	11.354	ppbv	98
42) Bromodichloromethane	7.240	83	2214486	10.963	ppbv	96
43) Methyl Methacrylate	7.465	69	1059096	11.808	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	4193292	10.757	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	709443	13.422	ppbv	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041152.D
 Acq On : 23 Apr 2024 8:58
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 04/24/2024
 Supervised By : Mahesh Dadoda 04/24/2024

Quant Time: Apr 24 02:48:37 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M

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

QLast Update : Wed Apr 24 02:47:46 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	881162	12.884	ppbv	99
47) 1,1,2-Trichloroethane	8.890	97	1086076	10.823	ppbv	98
48) Dibromochloromethane	9.700	129	1872199	11.753	ppbv	99
49) Bromoform	12.397	173	1517213	12.022	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2714191	11.367	ppbv	99
51) 2-Hexanone	9.539	43	1964581	11.866	ppbv #	99
52) Tetrachloroethene	10.606	164	868823	11.564	ppbv	97
53) Toluene	9.211	91	2907701	11.727	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1488299	11.892	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.497	131	1360951	10.238	ppbv	98
57) Chlorobenzene	11.516	112	2265952	10.234	ppbv	100
58) Ethyl Benzene	12.076	91	3947158	11.147	ppbv	99
59) m/p-Xylene	12.362	91	6790475m	21.233	ppbv	
60) o-Xylene	13.047	91	3287859	10.850	ppbv	98
61) Styrene	12.886	104	1644635	12.249	ppbv	99
62) Isopropylbenzene	14.018	105	4741203	10.510	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	2467145	10.362	ppbv	99
64) n-propylbenzene	14.905	120	1255994	11.094	ppbv	95
65) tert-Butylbenzene	16.079	119	4250200	10.792	ppbv	99
66) Benzyl Chloride	16.314	91	296104	11.427	ppbv	98
67) sec-Butylbenzene	16.626	105	5984447	10.518	ppbv	100
69) p-Isopropyltoluene	16.982	119	4877363	10.992	ppbv	100
70) n-Butylbenzene	17.873	91	5284686	10.963	ppbv	100
71) 2-Chlorotoluene	14.790	91	3695616	10.681	ppbv	99
72) 4-Ethyltoluene	15.182	105	3751702	11.085	ppbv	100
73) 1,3,5-Trimethylbenzene	15.339	105	3263976	10.935	ppbv	98
74) 1,2,4-Trimethylbenzene	16.095	105	3653199	10.694	ppbv	99
75) 1,3-Dichlorobenzene	16.317	146	2139363	10.726	ppbv	100
76) 1,4-Dichlorobenzene	16.462	146	2092934	10.788	ppbv	98
77) 1,2-Dichlorobenzene	17.134	146	2086636	10.774	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1250797	9.714	ppbv	98
79) Naphthalene	21.371	128	3055082	13.940	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	645297	15.115	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1471830	11.980	ppbv	99

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

