

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073124\
 Data File : VL041467.D
 Acq On : 31 Jul 2024 17:41
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2024
 Supervised By :Mahesh Dadoda 08/01/2024

Quant Time: Aug 01 02:45:30 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 02:45:30 2024

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	998026	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2706791	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2628162	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.783 95 2085351 10.311 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.732	85	1483941	8.643	ppbv	99
3) Chlorodifluoromethane	2.677	51	1265139	10.648	ppbv	100
4) Chloromethane	2.816	50	658044	10.413	ppbv	100
5) Vinyl Chloride	2.925	62	643419	10.330	ppbv	100
6) Bromomethane	3.124	94	370487	11.573	ppbv	97
7) Chloroethane	3.201	64	229810	10.691	ppbv	94
8) Dichlorotetrafluoroethane	2.861	85	1568311	10.309	ppbv	100
9) Propene	2.697	41	558995	10.242	ppbv	98
10) Heptane	7.587	43	1376270	11.223	ppbv	100
11) Trichlorofluoromethane	3.568	101	1578115	10.350	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.070	101	1087640	9.906	ppbv	97
13) Ethanol	3.250	45	79881	16.375	ppbv	98
14) Bromoethene	3.369	108	458007	10.700	ppbv	99
15) Acetone	3.472	43	1169727	10.315	ppbv	99
16) 1,3-Butadiene	2.989	39	655165	10.814	ppbv	99
17) tert-Butyl alcohol	3.880	59	1153353	11.152	ppbv	100
18) 1,1-Dichloroethene	3.883	96	506146	10.776	ppbv	99
19) Isopropyl Alcohol	3.578	45	690316	10.413	ppbv	100
20) Methylene Chloride	3.938	84	413414	9.777	ppbv	97
21) Allyl Chloride	4.002	41	789165	10.612	ppbv	98
22) trans-1,2-Dichloroethene	4.449	96	501754	10.684	ppbv	97
23) Vinyl Acetate	4.632	43	1044110	12.056	ppbv	99
24) 1,1-Dichloroethane	4.568	63	1053204	10.328	ppbv	100
25) Ethyl Acetate	5.208	43	2428979	10.782	ppbv	99
26) Hexane	5.217	57	1027374	10.994	ppbv	99
27) Carbon Disulfide	4.127	76	1173664	10.735	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	596693	10.125	ppbv	99
29) Chloroform	5.279	83	1600681	10.501	ppbv	96
30) Cyclohexane	6.606	84	871665	11.454	ppbv	99
31) cis-1,2-Dichloroethene	5.086	61	1024385	11.096	ppbv	99
32) 1,1,1-Trichloroethane	6.008	97	1574504	10.611	ppbv	99
34) 2-Butanone	4.790	43	1479584	11.300	ppbv	99
35) Carbon Tetrachloride	6.500	117	1670469	11.189	ppbv	99
36) Benzene	6.378	78	2178455	11.014	ppbv	99
37) 1,2-Dichloroethane	5.812	62	1225705	11.072	ppbv	100
38) Trichloroethene	7.298	130	895497	9.883	ppbv	98
39) 1,2-Dichloropropane	7.082	63	842875	11.131	ppbv	98
40) 1,4-Dioxane	7.295	88	275086	9.043	ppbv #	41
41) Tetrahydrofuran	5.561	42	860971	11.497	ppbv	99
42) Bromodichloromethane	7.256	83	1752809	10.966	ppbv	100
43) Methyl Methacrylate	7.481	69	891330	12.567	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3629740	10.988	ppbv	99
45) t-1,3-Dichloropropene	8.716	75	936405	14.344	ppbv	99

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 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2024
 Supervised By :Mahesh Dadoda 08/01/2024

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Thu Aug 01 02:36:30 2024

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	1224260	12.987	ppbv	97
47) 1,1,2-Trichloroethane	8.905	97	910316	10.906	ppbv	97
48) Dibromochloromethane	9.719	129	1508615	11.219	ppbv	100
49) Bromoform	12.413	173	1300748	11.452	ppbv	99
50) 4-Methyl-2-Pentanone	8.185	43	2424269	11.735	ppbv	99
51) 2-Hexanone	9.555	43	1994691	12.770	ppbv	98
52) Tetrachloroethene	10.626	164	841212	11.007	ppbv	98
53) Toluene	9.227	91	2562081	11.630	ppbv	100
54) 1,2-Dibromoethane	10.018	107	1313995	11.827	ppbv	96
56) 1,1,1,2-Tetrachloroethane	11.516	131	1128312	11.070	ppbv #	55
57) Chlorobenzene	11.536	112	1987067	10.619	ppbv	99
58) Ethyl Benzene	12.095	91	3429626	11.322	ppbv	100
59) m/p-Xylene	12.381	91	5863368m	22.422	ppbv	
60) o-Xylene	13.066	91	2779228	11.235	ppbv	100
61) Styrene	12.905	104	1368181	12.260	ppbv	99
62) Isopropylbenzene	14.037	105	4159633	11.061	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	1937957	12.406	ppbv	100
64) n-propylbenzene	14.924	120	1114612	11.337	ppbv	97
65) tert-Butylbenzene	16.098	119	3710060	10.923	ppbv	100
66) Benzyl Chloride	16.339	91	413389m	18.975	ppbv	
67) sec-Butylbenzene	16.645	105	5204945	11.122	ppbv	100
69) p-Isopropyltoluene	17.002	119	4389829	11.304	ppbv	100
70) n-Butylbenzene	17.892	91	4500296	11.304	ppbv	100
71) 2-Chlorotoluene	14.809	91	3104424	11.194	ppbv	99
72) 4-Ethyltoluene	15.201	105	3378200	11.600	ppbv	99
73) 1,3,5-Trimethylbenzene	15.358	105	2875973	11.463	ppbv	97
74) 1,2,4-Trimethylbenzene	16.114	105	3179135	10.899	ppbv	95
75) 1,3-Dichlorobenzene	16.339	146	1983010	10.815	ppbv	100
76) 1,4-Dichlorobenzene	16.481	146	1937305	10.912	ppbv	100
77) 1,2-Dichlorobenzene	17.149	146	1905562	10.483	ppbv	100
78) Hexachloro-1,3-Butadiene	22.644	225	1527170	9.852	ppbv	100
79) Naphthalene	21.390	128	3491873	13.563	ppbv	100
80) Naphthalene,2-methyl-	24.377	142	1670294	7.740	ppbv	99
81) 1,2,4-Trichlorobenzene	21.146	180	1821032	11.886	ppbv	99

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

