

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121924\
 Data File : VL041818.D
 Acq On : 19 Dec 2024 13:16
 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 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 20 01:39:33 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

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

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	82770	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	200154	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	174346	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.381 95 149792 10.310 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 103.100%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	111190	7.550	ppbv	96
3) Chlorodifluoromethane	1.477	51	125153	9.272	ppbv	100
4) Chloromethane	1.532	50	53436	9.273	ppbv	96
5) Vinyl Chloride	1.580	62	50121	8.633	ppbv	99
6) Bromomethane	1.668	94	24007	8.763	ppbv	97
7) Chloroethane	1.706	64	20386	9.039	ppbv	94
8) Dichlorotetrafluoroethane	1.554	85	116105	8.808	ppbv	95
9) Propene	1.483	41	46299	7.914	ppbv	97
10) Heptane	4.982	43	129813	8.638	ppbv	100
11) Trichlorofluoromethane	1.878	101	137594	8.796	ppbv	95
12) 1,1,2-Trichlorotrifluo...	2.140	101	102897	8.648	ppbv	96
13) Ethanol	1.723	45	3542m	7.312	ppbv	
14) Bromoethene	1.781	108	34621	8.619	ppbv	98
15) Acetone	1.836	43	123691	7.680	ppbv	97
16) 1,3-Butadiene	1.609	39	58138	9.168	ppbv	96
17) tert-Butyl alcohol	2.040	59	140369	8.786	ppbv	99
18) 1,1-Dichloroethene	2.033	96	42316	8.483	ppbv	90
19) Isopropyl Alcohol	1.888	45	69994	7.243	ppbv #	37
20) Methylene Chloride	2.062	84	38558	8.396	ppbv	91
21) Allyl Chloride	2.098	41	81129	9.289	ppbv	98
22) trans-1,2-Dichloroethene	2.341	96	48350	8.468	ppbv	97
23) Vinyl Acetate	2.464	43	62170	8.314	ppbv #	97
24) 1,1-Dichloroethane	2.409	63	104810	9.068	ppbv	100
25) Ethyl Acetate	2.836	43	272982	9.112	ppbv	100
26) Hexane	2.826	57	98534	8.667	ppbv	93
27) Carbon Disulfide	2.153	76	89868	8.772	ppbv	98
28) Methyl tert-Butyl Ether	2.441	73	70625	7.657	ppbv	96
29) Chloroform	2.849	83	157908	9.114	ppbv	98
30) Cyclohexane	3.859	84	79194	8.186	ppbv	96
31) cis-1,2-Dichloroethene	2.723	61	100323	8.539	ppbv	98
32) 1,1,1-Trichloroethane	3.370	97	151902	8.624	ppbv	98
34) 2-Butanone	2.558	43	156952	9.747	ppbv	99
35) Carbon Tetrachloride	3.765	117	152814	10.755	ppbv	99
36) Benzene	3.658	78	196330	9.483	ppbv	99
37) 1,2-Dichloroethane	3.221	62	129068	10.019	ppbv	100
38) Trichloroethene	4.551	130	74447	8.471	ppbv	92
39) 1,2-Dichloropropane	4.318	63	71700	9.575	ppbv	96
40) 1,4-Dioxane	4.584	88	33486	9.154	ppbv #	94
41) Tetrahydrofuran	3.056	42	85350	9.461	ppbv	99
42) Bromodichloromethane	4.493	83	152475	10.288	ppbv	99
43) Methyl Methacrylate	4.888	69	72474	9.187	ppbv	96
44) 2,2,4-Trimethylpentane	4.645	57	342795	9.695	ppbv	97
45) t-1,3-Dichloropropene	6.419	75	71286m	8.736	ppbv	

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.607	75	92324	8.913	ppbv	97
47) 1,1,2-Trichloroethane	6.587	97	74497	9.525	ppbv	93
48) Dibromochloromethane	7.393	129	109136	10.219	ppbv	98
49) Bromoform	9.487	173	89782	10.270	ppbv	99
50) 4-Methyl-2-Pentanone	5.762	43	213582	9.742	ppbv	97
51) 2-Hexanone	7.442	43	168674	9.491	ppbv #	97
52) Tetrachloroethene	8.228	164	63740	8.271	ppbv	96
53) Toluene	6.940	91	207460	8.838	ppbv	99
54) 1,2-Dibromoethane	7.655	107	101907	9.456	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.931	131	97552	10.554	ppbv	99
57) Chlorobenzene	8.927	112	172549	9.672	ppbv	99
58) Ethyl Benzene	9.358	91	301914	9.619	ppbv	98
59) m/p-Xylene	9.552	91	512257m	20.297	ppbv	
60) o-Xylene	9.966	91	253450	10.014	ppbv	100
61) Styrene	9.876	104	107800	9.850	ppbv	99
62) Isopropylbenzene	10.542	105	379023	9.968	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.966	83	163931	10.348	ppbv	99
64) n-propylbenzene	10.992	120	98807	10.277	ppbv	100
65) tert-Butylbenzene	11.536	119	339253	9.889	ppbv	98
66) Benzyl Chloride	11.620	91	25904	8.572	ppbv	98
67) sec-Butylbenzene	11.772	105	482064	10.154	ppbv	99
69) p-Isopropyltoluene	11.928	119	397685	10.165	ppbv	99
70) n-Butylbenzene	12.284	91	398384	10.539	ppbv	100
71) 2-Chlorotoluene	10.905	91	289210	9.964	ppbv	99
72) 4-Ethyltoluene	11.128	105	313014	10.478	ppbv	99
73) 1,3,5-Trimethylbenzene	11.206	105	264997	10.692	ppbv	95
74) 1,2,4-Trimethylbenzene	11.539	105	291508	10.937	ppbv	92
75) 1,3-Dichlorobenzene	11.611	146	170226	10.017	ppbv	99
76) 1,4-Dichlorobenzene	11.675	146	169203	10.079	ppbv	99
77) 1,2-Dichlorobenzene	11.950	146	161579	9.882	ppbv	99
78) Hexachloro-1,3-Butadiene	13.886	225	97824	8.069	ppbv	99
79) Naphthalene	13.517	128	206055	11.095	ppbv	99
80) Naphthalene,2-methyl-	14.462	142	87758	15.278	ppbv	99
81) 1,2,4-Trichlorobenzene	13.442	180	95272	9.388	ppbv	99

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

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