

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041758.D
 Acq On : 16 Dec 2024 16:41
 Operator : SY/MD
 Sample : VSTDICC015
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC015

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/20/2024
 Supervised By : Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:16:40 2024

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 19 06:09:59 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	65186	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	176856	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	160457	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.374 95 133687 9.998 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 100.000%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.496	85	152683	13.163 ppbv	95
3) Chlorodifluoromethane	1.473	51	152455	14.341 ppbv	98
4) Chloromethane	1.531	50	63517	13.996 ppbv	98
5) Vinyl Chloride	1.577	62	62250	13.615 ppbv	99
6) Bromomethane	1.667	94	30345	14.064 ppbv	96
7) Chloroethane	1.703	64	25650	14.442 ppbv	95
8) Dichlorotetrafluoroethane	1.554	85	148190	14.274 ppbv	99
9) Propene	1.483	41	61515	13.351 ppbv	99
10) Heptane	4.978	43	168804	14.263 ppbv	100
11) Trichlorofluoromethane	1.874	101	177984	14.446 ppbv	99
12) 1,1,2-Trichlorotrifluo...	2.136	101	135538	14.464 ppbv	98
13) Ethanol	1.719	45	3643	9.509 ppbv	100
14) Bromoethene	1.780	108	47132	14.898 ppbv	99
15) Acetone	1.832	43	142980	11.273 ppbv	100
16) 1,3-Butadiene	1.606	39	68311	13.678 ppbv	98
17) tert-Butyl alcohol	2.036	59	177908	14.140 ppbv	99
18) 1,1-Dichloroethene	2.033	96	57770	14.705 ppbv	99
19) Isopropyl Alcohol	1.884	45	82211	10.802 ppbv	99
20) Methylene Chloride	2.059	84	48356	13.371 ppbv	99
21) Allyl Chloride	2.094	41	101528	14.760 ppbv	99
22) trans-1,2-Dichloroethene	2.337	96	65029	14.461 ppbv	97
23) Vinyl Acetate	2.460	43	80795	14.661 ppbv	98
24) 1,1-Dichloroethane	2.405	63	131030	14.394 ppbv	100
25) Ethyl Acetate	2.832	43	341429	14.402 ppbv	100
26) Hexane	2.823	57	128657	14.369 ppbv	99
27) Carbon Disulfide	2.149	76	134963	16.726 ppbv	99
28) Methyl tert-Butyl Ether	2.438	73	100758	13.871 ppbv	100
29) Chloroform	2.845	83	197713	14.489 ppbv	99
30) Cyclohexane	3.855	84	110448	14.497 ppbv	99
31) cis-1,2-Dichloroethene	2.719	61	132821	14.355 ppbv	99
32) 1,1,1-Trichloroethane	3.366	97	204468	15.055 ppbv	100
34) 2-Butanone	2.554	43	195439	13.736 ppbv	99
35) Carbon Tetrachloride	3.761	117	206252	16.428 ppbv	94
36) Benzene	3.654	78	259630	14.192 ppbv	99
37) 1,2-Dichloroethane	3.214	62	166576	14.633 ppbv	100
38) Trichloroethene	4.548	130	104184	13.525 ppbv	95
39) 1,2-Dichloropropane	4.312	63	93624	14.150 ppbv	97
40) 1,4-Dioxane	4.577	88	44377	13.730 ppbv #	96
41) Tetrahydrofuran	3.052	42	113618	14.254 ppbv	100
42) Bromodichloromethane	4.486	83	211145	16.123 ppbv	96
43) Methyl Methacrylate	4.878	69	107165	15.374 ppbv	100
44) 2,2,4-Trimethylpentane	4.638	57	445947	14.274 ppbv	99
45) t-1,3-Dichloropropene	6.409	75	115159	15.973 ppbv	97

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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.600	75	143172	15.643	ppbv	95
47) 1,1,2-Trichloroethane	6.580	97	98426	14.242	ppbv	94
48) Dibromochloromethane	7.386	129	161661	17.131	ppbv	100
49) Bromoform	9.484	173	137786	17.838	ppbv	99
50) 4-Methyl-2-Pentanone	5.749	43	285467	14.735	ppbv	99
51) 2-Hexanone	7.435	43	232363	14.798	ppbv #	100
52) Tetrachloroethene	8.225	164	93120	13.675	ppbv	98
53) Toluene	6.930	91	301428	14.533	ppbv	100
54) 1,2-Dibromoethane	7.652	107	139889	14.690	ppbv	100
56) 1,1,1,2-Tetrachloroethane	8.924	131	128108	15.059	ppbv	99
57) Chlorobenzene	8.924	112	227716	13.869	ppbv	100
58) Ethyl Benzene	9.354	91	425852	14.742	ppbv	99
59) m/p-Xylene	9.552	91	678656m	29.209	ppbv	
60) o-Xylene	9.963	91	337891	14.506	ppbv	100
61) Styrene	9.869	104	165328	16.415	ppbv	100
62) Isopropylbenzene	10.539	105	506570	14.475	ppbv	99
63) 1,1,2,2-Tetrachloroethane	9.963	83	201057	13.790	ppbv	100
64) n-propylbenzene	10.989	120	129200	14.602	ppbv	97
65) tert-Butylbenzene	11.532	119	446690	14.148	ppbv	98
66) Benzyl Chloride	11.617	91	45189	16.234	ppbv	99
67) sec-Butylbenzene	11.769	105	624565	14.295	ppbv	99
69) p-Isopropyltoluene	11.927	119	528265	14.671	ppbv	99
70) n-Butylbenzene	12.283	91	525377	15.101	ppbv	100
71) 2-Chlorotoluene	10.901	91	387300	14.498	ppbv	100
72) 4-Ethyltoluene	11.125	105	409822	14.934	ppbv	100
73) 1,3,5-Trimethylbenzene	11.202	105	350895	15.383	ppbv	97
74) 1,2,4-Trimethylbenzene	11.539	105	371476	15.144	ppbv	96
75) 1,3-Dichlorobenzene	11.610	146	219506	14.036	ppbv	99
76) 1,4-Dichlorobenzene	11.672	146	222290	14.388	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	205737	13.672	ppbv	99
78) Hexachloro-1,3-Butadiene	13.882	225	138481	12.412	ppbv	100
79) Naphthalene	13.513	128	301006	17.611	ppbv	99
80) Naphthalene,2-methyl-	14.458	142	161927	30.630	ppbv	98
81) 1,2,4-Trichlorobenzene	13.442	180	146340	15.669	ppbv	99

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

