

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041768.D
 Acq On : 17 Dec 2024 00:57
 Operator : SY/MD
 Sample : VL1216ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1216ABS01

Manual Integrations
 APPROVED

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

Quant Time: Dec 20 03:23:27 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 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.791	49	58416	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	154779	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	137648	10.000	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.384 95 116882 10.190 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.900%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.499	85	113386	10.908	ppbv	97
3) Chlorodifluoromethane	1.476	51	93964	9.863	ppbv	97
4) Chloromethane	1.535	50	41734	10.262	ppbv	99
5) Vinyl Chloride	1.580	62	40647	9.920	ppbv	97
6) Bromomethane	1.671	94	19116	9.886	ppbv	100
7) Chloroethane	1.706	64	16313	10.249	ppbv	94
8) Dichlorotetrafluoroethane	1.557	85	97277	10.456	ppbv	98
9) Propene	1.486	41	34797	8.427	ppbv	96
10) Heptane	4.991	43	98111	9.250	ppbv	98
11) Trichlorofluoromethane	1.881	101	118885	10.768	ppbv	97
12) 1,1,2-Trichlorotrifluo...	2.143	101	87265	10.392	ppbv	97
13) Ethanol	1.722	45	2247	6.572	ppbv	87
14) Bromoethene	1.784	108	29223	10.308	ppbv	98
15) Acetone	1.836	43	94015	8.272	ppbv	98
16) 1,3-Butadiene	1.612	39	46514	10.393	ppbv	93
17) tert-Butyl alcohol	2.043	59	117014	10.378	ppbv	100
18) 1,1-Dichloroethene	2.036	96	36254	10.298	ppbv	96
19) Isopropyl Alcohol	1.888	45	49670	7.283	ppbv	95
20) Methylene Chloride	2.066	84	32089	9.901	ppbv	94
21) Allyl Chloride	2.098	41	62461	10.133	ppbv	98
22) trans-1,2-Dichloroethene	2.344	96	40028	9.933	ppbv	96
23) Vinyl Acetate	2.467	43	40845	7.740	ppbv	99
24) 1,1-Dichloroethane	2.412	63	83517	10.238	ppbv	99
25) Ethyl Acetate	2.839	43	204633	9.678	ppbv	99
26) Hexane	2.829	57	77041	9.601	ppbv	98
27) Carbon Disulfide	2.153	76	71423	9.878	ppbv	97
28) Methyl tert-Butyl Ether	2.444	73	61198	9.401	ppbv	100
29) Chloroform	2.852	83	126786	10.368	ppbv	100
30) Cyclohexane	3.865	84	64996	9.520	ppbv	99
31) cis-1,2-Dichloroethene	2.726	61	81514	9.831	ppbv	100
32) 1,1,1-Trichloroethane	3.376	97	128623	10.347	ppbv	99
34) 2-Butanone	2.561	43	118757	9.537	ppbv	99
35) Carbon Tetrachloride	3.771	117	127059	11.564	ppbv	98
36) Benzene	3.664	78	155172	9.692	ppbv	98
37) 1,2-Dichloroethane	3.224	62	105933	10.633	ppbv	100
38) Trichloroethene	4.554	130	61730	9.083	ppbv	94
39) 1,2-Dichloropropane	4.321	63	55187	9.531	ppbv	98
40) 1,4-Dioxane	4.597	88	24077	8.512	ppbv #	95
41) Tetrahydrofuran	3.059	42	63737	9.137	ppbv	97
42) Bromodichloromethane	4.499	83	122435	10.683	ppbv	95
43) Methyl Methacrylate	4.888	69	60160	9.862	ppbv	100
44) 2,2,4-Trimethylpentane	4.652	57	266101	9.732	ppbv	98
45) t-1,3-Dichloropropene	6.425	75	59837	9.483	ppbv	96

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 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 19 07:32:09 2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.610	75	76789m	9.586	ppbv	
47) 1,1,2-Trichloroethane	6.594	97	59178	9.784	ppbv	95
48) Dibromochloromethane	7.399	129	88987	10.775	ppbv	98
49) Bromoform	9.494	173	70925	10.492	ppbv	99
50) 4-Methyl-2-Pentanone	5.768	43	162609	9.591	ppbv	100
51) 2-Hexanone	7.448	43	128365	9.341	ppbv #	99
52) Tetrachloroethene	8.235	164	52775	8.856	ppbv	96
53) Toluene	6.946	91	172200	9.487	ppbv	100
54) 1,2-Dibromoethane	7.665	107	80944	9.713	ppbv	99
56) 1,1,1,2-Tetrachloroethane	8.934	131	76261	10.451	ppbv	99
57) Chlorobenzene	8.930	112	134275	9.533	ppbv	97
58) Ethyl Benzene	9.364	91	245908	9.923	ppbv	99
59) m/p-Xylene	9.562	91	395371m	19.842	ppbv	
60) o-Xylene	9.973	91	199635	9.991	ppbv	99
61) Styrene	9.879	104	88772	10.274	ppbv	97
62) Isopropylbenzene	10.549	105	298974	9.959	ppbv	100
63) 1,1,2,2-Tetrachloroethane	9.969	83	116651	9.326	ppbv	99
64) n-propylbenzene	10.995	120	72410	9.540	ppbv	99
65) tert-Butylbenzene	11.539	119	257953	9.524	ppbv	98
66) Benzyl Chloride	11.623	91	16248	6.810	ppbv	99
67) sec-Butylbenzene	11.775	105	357030	9.526	ppbv	100
69) p-Isopropyltoluene	11.934	119	289099	9.359	ppbv	99
70) n-Butylbenzene	12.287	91	274850	9.209	ppbv	99
71) 2-Chlorotoluene	10.908	91	215278	9.395	ppbv	99
72) 4-Ethyltoluene	11.131	105	226930	9.622	ppbv	99
73) 1,3,5-Trimethylbenzene	11.212	105	194190	9.924	ppbv	98
74) 1,2,4-Trimethylbenzene	11.546	105	205687	9.775	ppbv	97
75) 1,3-Dichlorobenzene	11.614	146	116440	8.679	ppbv	99
76) 1,4-Dichlorobenzene	11.678	146	113920	8.595	ppbv	99
77) 1,2-Dichlorobenzene	11.953	146	111014	8.600	ppbv	99
78) Hexachloro-1,3-Butadiene	13.889	225	71736	7.495	ppbv	99
79) Naphthalene	13.520	128	148712	10.143	ppbv	98
80) Naphthalene,2-methyl-	14.465	142	56861	12.538	ppbv	98
81) 1,2,4-Trichlorobenzene	13.446	180	71501	8.924	ppbv	98

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

Manual Integrations

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

