

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041751.D
 Acq On : 16 Dec 2024 12:59
 Operator : SY/MD
 Sample : VSTDICC0.5
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.5

Quant Time: Dec 19 06:11:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 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	65522	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	179257	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	159477	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	130911	9.851	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.496	85	6290	0.540	ppbv 95
3) Chlorodifluoromethane	1.473	51	5829	0.546	ppbv 98
4) Chloromethane	1.531	50	2385	0.523	ppbv # 86
5) Vinyl Chloride	1.580	62	2144	0.467	ppbv 96
6) Bromomethane	1.667	94	1110	0.512	ppbv # 59
7) Chloroethane	1.703	64	913	0.511	ppbv # 65
8) Dichlorotetrafluoroethane	1.554	85	5291	0.507	ppbv 99
9) Propene	1.483	41	2496	0.539	ppbv 92
10) Heptane	4.981	43	5848	0.492	ppbv # 84
11) Trichlorofluoromethane	1.878	101	6614	0.534	ppbv 96
12) 1,1,2-Trichlorotrifluo...	2.136	101	4869	0.517	ppbv 98
13) Ethanol	1.719	45	504	1.309	ppbv 70
14) Bromoethene	1.780	108	1672	0.526	ppbv # 93
15) Acetone	1.835	43	8444	0.662	ppbv 93
16) 1,3-Butadiene	1.609	39	2639	0.526	ppbv 98
17) tert-Butyl alcohol	2.043	59	7140	0.565	ppbv 96
18) 1,1-Dichloroethene	2.033	96	2081	0.527	ppbv 95
19) Isopropyl Alcohol	1.887	45	5019	0.656	ppbv # 34
20) Methylene Chloride	2.059	84	2123	0.584	ppbv # 95
21) Allyl Chloride	2.098	41	3647	0.527	ppbv 93
22) trans-1,2-Dichloroethene	2.340	96	2335	0.517	ppbv 82
23) Vinyl Acetate	2.460	43	4382	0.791	ppbv # 83
24) 1,1-Dichloroethane	2.405	63	4914	0.537	ppbv 98
25) Ethyl Acetate	2.839	43	12380	0.520	ppbv 97
26) Hexane	2.826	57	4713	0.524	ppbv 98
27) Carbon Disulfide	2.149	76	3927	0.484	ppbv # 1
28) Methyl tert-Butyl Ether	2.441	73	3810	0.522	ppbv 91
29) Chloroform	2.845	83	7165	0.522	ppbv 98
30) Cyclohexane	3.858	84	3944	0.515	ppbv 97
31) cis-1,2-Dichloroethene	2.719	61	4957	0.533	ppbv 93
32) 1,1,1-Trichloroethane	3.370	97	7096	0.520	ppbv 99
34) 2-Butanone	2.560	43	7780	0.539	ppbv 98
35) Carbon Tetrachloride	3.755	117	2797	0.220	ppbv 92
36) Benzene	3.654	78	9514	0.513	ppbv 97
37) 1,2-Dichloroethane	3.217	62	6284	0.545	ppbv 98
38) Trichloroethene	4.545	130	2971	0.381	ppbv 92
39) 1,2-Dichloropropane	4.311	63	3628	0.541	ppbv # 83
40) 1,4-Dioxane	4.600	88	537	0.164	ppbv # 1
41) Tetrahydrofuran	3.065	42	4319	0.535	ppbv 98
42) Bromodichloromethane	4.489	83	5703	0.430	ppbv # 97
43) Methyl Methacrylate	4.881	69	1903	0.269	ppbv # 20
44) 2,2,4-Trimethylpentane	4.638	57	16462	0.520	ppbv 98
45) t-1,3-Dichloropropene	6.409	75	1817	0.249	ppbv 98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	5.593	75	2655	0.286	ppbv #	87
47) 1,1,2-Trichloroethane	6.580	97	3116	0.445	ppbv #	85
48) Dibromochloromethane	7.386	129	4060	0.424	ppbv	94
49) Bromoform	9.484	173	3337	0.426	ppbv	98
50) 4-Methyl-2-Pentanone	5.768	43	9781	0.498	ppbv	99
51) 2-Hexanone	7.441	43	3795	0.238	ppbv #	31
52) Tetrachloroethene	8.221	164	3489	0.506	ppbv	88
53) Toluene	6.936	91	4652	0.221	ppbv #	7
54) 1,2-Dibromoethane	7.652	107	4540	0.470	ppbv	93
56) 1,1,1,2-Tetrachloroethane	8.927	131	1867	0.221	ppbv #	1
57) Chlorobenzene	8.924	112	8615	0.528	ppbv #	96
58) Ethyl Benzene	9.354	91	15254	0.531	ppbv	98
59) m/p-Xylene	9.552	91	9984	0.432	ppbv #	100
60) o-Xylene	9.966	91	11437	0.494	ppbv	97
61) Styrene	9.869	104	4817	0.481	ppbv	98
62) Isopropylbenzene	10.539	105	17120	0.492	ppbv	97
63) 1,1,2,2-Tetrachloroethane	9.963	83	7218	0.498	ppbv	99
64) n-propylbenzene	10.992	120	4302	0.489	ppbv	98
65) tert-Butylbenzene	11.532	119	15461	0.493	ppbv	95
66) Benzyl Chloride	11.613	91	1420	0.513	ppbv #	96
67) sec-Butylbenzene	11.769	105	21894	0.504	ppbv	100
69) p-Isopropyltoluene	11.927	119	17188	0.480	ppbv	96
70) n-Butylbenzene	12.280	91	16790	0.486	ppbv	98
71) 2-Chlorotoluene	10.898	91	13493	0.508	ppbv	96
72) 4-Ethyltoluene	11.125	105	12131	0.445	ppbv #	94
73) 1,3,5-Trimethylbenzene	11.202	105	11333	0.500	ppbv	94
74) 1,2,4-Trimethylbenzene	11.536	105	11910	0.489	ppbv #	89
75) 1,3-Dichlorobenzene	11.607	146	8054	0.518	ppbv	96
76) 1,4-Dichlorobenzene	11.672	146	7902	0.515	ppbv	99
77) 1,2-Dichlorobenzene	11.947	146	8061	0.539	ppbv	96
78) Hexachloro-1,3-Butadiene	13.882	225	6237	0.562	ppbv	98
79) Naphthalene	13.516	128	9069	0.534	ppbv #	95
80) Naphthalene,2-methyl-	14.465	142	1447	0.275	ppbv	96
81) 1,2,4-Trichlorobenzene	13.442	180	4729	0.509	ppbv	96

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

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