

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012725\
 Data File : VL041945.D
 Acq On : 27 Jan 2025 10:47
 Operator : SY/MD
 Sample : VL0127ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0127ABL01

Quant Time: Jan 28 02:33:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	148041	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	410834	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	349106	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	264022	9.602	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	332	0.016	ppbv	99
3) Chlorodifluoromethane	1.625	51	148	0.007	ppbv	100
5) Vinyl Chloride	1.586	62	53	0.007	ppbv #	42
6) Bromomethane	1.670	94	104	0.028	ppbv #	6
7) Chloroethane	1.703	64	24	0.008	ppbv #	43
8) Dichlorotetrafluoroethane	1.554	85	38	0.002	ppbv	84
10) Heptane	4.998	43	26	0.001	ppbv #	27
11) Trichlorofluoromethane	1.887	101	177	0.008	ppbv #	45
12) 1,1,2-Trichlorotrifluo...	2.149	101	93	0.006	ppbv #	15
14) Bromoethene	1.787	108	82	0.014	ppbv #	26
18) 1,1-Dichloroethene	2.056	96	63	0.009	ppbv #	1
21) Allyl Chloride	2.104	41	96	0.008	ppbv #	21
22) trans-1,2-Dichloroethene	2.347	96	41	0.005	ppbv #	1
24) 1,1-Dichloroethane	2.412	63	27	0.002	ppbv #	87
25) Ethyl Acetate	2.836	43	223	0.005	ppbv #	74
26) Hexane	2.826	57	378	0.020	ppbv #	73
27) Carbon Disulfide	2.146	76	107	0.006	ppbv #	1
28) Methyl tert-Butyl Ether	2.518	73	35	0.002	ppbv #	16
29) Chloroform	2.855	83	383	0.013	ppbv #	59
30) Cyclohexane	3.946	84	109	0.007	ppbv #	7
31) cis-1,2-Dichloroethene	2.726	61	44	0.002	ppbv #	26
32) 1,1,1-Trichloroethane	3.373	97	31	0.001	ppbv #	23
34) 2-Butanone	2.567	43	457	0.017	ppbv #	85
35) Carbon Tetrachloride	3.774	117	102	0.004	ppbv #	12
36) Benzene	3.664	78	248	0.007	ppbv #	75
37) 1,2-Dichloroethane	3.227	62	110	0.005	ppbv #	80
38) Trichloroethene	4.480	130	24	0.002	ppbv #	3
40) 1,4-Dioxane	4.638	88	188	0.028	ppbv #	1
41) Tetrahydrofuran	3.062	42	13	0.001	ppbv #	36
42) Bromodichloromethane	4.503	83	62	0.002	ppbv #	24
43) Methyl Methacrylate	4.881	69	11	0.001	ppbv #	1
44) 2,2,4-Trimethylpentane	4.648	57	29	0.000	ppbv #	1
45) t-1,3-Dichloropropene	6.027	75	21	0.002	ppbv #	44
46) cis-1,3-Dichloropropene	6.027	75	21	0.001	ppbv #	25
47) 1,1,2-Trichloroethane	6.619	97	50	0.004	ppbv #	15
48) Dibromochloromethane	7.367	129	37	0.002	ppbv #	1
49) Bromoform	9.490	173	69	0.004	ppbv #	58
50) 4-Methyl-2-Pentanone	5.775	43	159	0.004	ppbv #	39
51) 2-Hexanone	7.451	43	370	0.014	ppbv #	27
52) Tetrachloroethene	8.231	164	56	0.004	ppbv #	17
53) Toluene	6.946	91	63	0.002	ppbv #	21
54) 1,2-Dibromoethane	7.856	107	27	0.001	ppbv #	2
56) 1,1,1,2-Tetrachloroethane	8.943	131	61	0.004	ppbv #	1

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
57) Chlorobenzene	8.933	112	145	0.005	ppbv	#	51
58) Ethyl Benzene	9.558	91	67	0.001	ppbv		93
59) m/p-Xylene	9.558	91	67	0.002	ppbv	#	31
60) o-Xylene	9.976	91	58	0.001	ppbv	#	1
61) Styrene	9.882	104	49	0.003	ppbv	#	13
62) Isopropylbenzene	10.552	105	112	0.002	ppbv		92
63) 1,1,2,2-Tetrachloroethane	9.976	83	106	0.004	ppbv	#	25
64) n-propylbenzene	11.002	120	42	0.002	ppbv	#	40
65) tert-Butylbenzene	11.539	119	167	0.003	ppbv	#	18
66) Benzyl Chloride	11.630	91	37	0.010	ppbv	#	66
67) sec-Butylbenzene	11.775	105	189	0.002	ppbv	#	58
69) p-Isopropyltoluene	11.937	119	186	0.003	ppbv	#	70
70) n-Butylbenzene	12.290	91	392	0.006	ppbv	#	54
71) 2-Chlorotoluene	10.911	91	315	0.006	ppbv	#	45
72) 4-Ethyltoluene	11.134	105	238	0.005	ppbv	#	84
73) 1,3,5-Trimethylbenzene	11.219	105	301	0.007	ppbv	#	32
74) 1,2,4-Trimethylbenzene	11.545	105	430	0.009	ppbv	#	58
75) 1,3-Dichlorobenzene	11.610	146	78	0.003	ppbv	#	23
76) 1,4-Dichlorobenzene	11.678	146	120	0.004	ppbv	#	24
77) 1,2-Dichlorobenzene	11.966	146	246	0.008	ppbv	#	4
78) Hexachloro-1,3-Butadiene	13.889	225	327	0.014	ppbv	#	73
79) Naphthalene	13.526	128	972	0.019	ppbv	#	83
80) Naphthalene,2-methyl-	14.471	142	632	0.027	ppbv	#	92
81) 1,2,4-Trichlorobenzene	13.455	180	368	0.015	ppbv	#	17

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

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